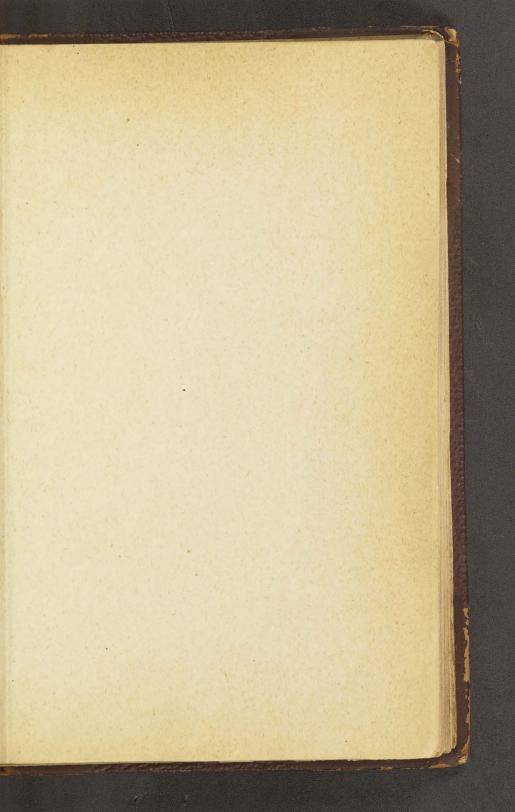




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TREATISE

ON

DIAMONDS and PEARLS.

IN WHICH

Their IMPORTANCE is considered:

AND

Plain Rules are exhibited for ascertaining the Value of both:

ANDTHE

True Method of manufacturing DIAMONDS.

By DAVID JEFFRIES,

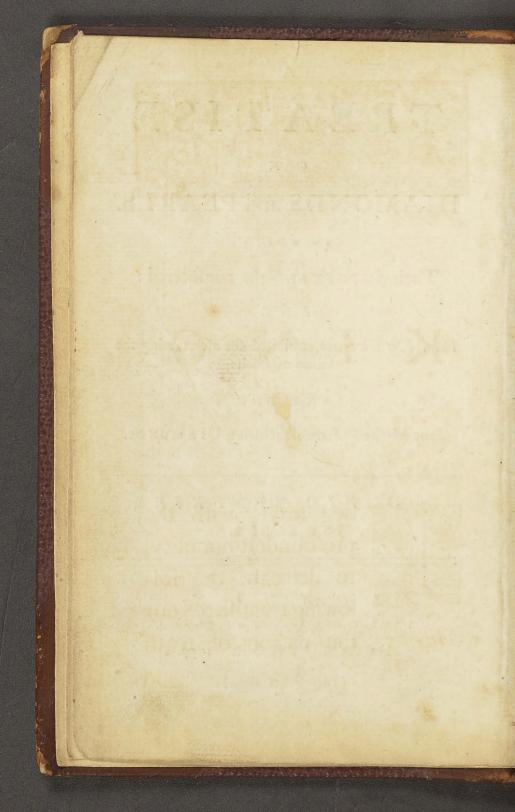
JEWELLER.

LONDON:

Printed by C. and J. ACKERS, in St. John's-Street,

For the AUTHOR. 1750.

(Price One Guinea.)





TOTHE

KING.

SIR,



to dedicate the following treatife to your Majesty, the patron of truth A 2 and

Beg leave, with the

profoundest humility,

DEDICATION.

and justice, and friend to the common interest of mankind, more particularly to that of your Majesty's subjects: In which your royal character shines with the brightest lustre.

It contains rational and plain rules for estimating the value of Diamonds and Pearls under all circumstances, and for manufacturing Diamonds to the greatest perfection: Both which have hitherto been but very imperfectly understood. From hence, all property of this kind has been exposed to the greatest injury,

DEDICATION.

injury, by being subject to a capricious and indeterminate valuation; and the superlative beauty of Diamonds has been much debased.

To countenance a work calculated to promote a general benefit, it is humbly apprehended will not be deemed unworthy the condescension of a *Crowned Head*, as these Jewels constitute so large a part of publick wealth; and, as they are, and have been in past ages, the chief ornaments of great and distinguished personages, in most parts of the world.

A 3 That

DEDICATION.

That the supreme Disposer of all things may long preserve your Majesty, the guardian of the commerce and properties of these your kingdoms, and that you may continue to reign in the hearts of a grateful and loyal people, is the fervent prayer of,

May it please your Majesty,

Your Majesty's most dutiful,

And most faithful Subject,

David Jeffries.



TOTHE

READER.

culated to inform the world concerning the value of Diamonds and Pearls; the weights made use of relative thereto, are here previously explained, as the knowledge of them will be found necessary to the Publick. They agree the nearest to Troyweight of any other, and are commonly called carrat weights; 150 carrats make about an ounce of that weight.

A 4 Car-

ii To the READER.

Carrats are divided into halves, quarters, or grains; eighths, sixteenths, and thirty-two parts.

The draughts of the fixes of Brilliant and Rose Diamonds, exhibited in the plates, are tests to prove the truth and defects of the manufacture of any Diamond, and will be found as necessary as scales and weights, in attaining to a right judgment of their value. To make the truth of this affertion appear more evident, it is here to be observed; First, That either a Brilliant or Rose Diamond, may be wrought in such a manner as to contain one-fourth, or even one-third, more weight than it ought to have, which necessarily injures the beauty of its form, and likewise injures its true spirit and lustre; and,

To the READER. iii

if that over-weight be injudiciously valued, together with its due weight, the price will be thereby greatly heightened above its just value, more especially in large Diamonds. All which over-weighted Stones will easily be discovered by the fixes exhibited in the plates, which exactly show the true expansion of well wrought Diamonds.

Secondly, It is to be observed, that the sizes before referred to will discover if any Stones do not carry their true substance. An important circumstance to be regarded, inasmuch as any degree of want thereof, necessarily leffens the spirit and lustre they would otherwise be possessed of. In both cases, directions are given in the treatise, in what manner every such Stone is

iv To the READER.

to be valued, as well as all other well proportioned ones, according to their water, and several degrees of perfection, or imperfection, of what size or weight soever.





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An Explanation of some TECHNICAL TERMS made use of in this Treatise, in alphabetical order.

HE Bezils are the upper fides and corners of the Brilliant, lying between the edge of the table and the girdle.

The Collet is the small horizontal plane, or

face, at the bottom of the Brilliant.

The Crown is the upper work of the rose, which all centers in the point at the top, and

is bounded by the horizontal ribs.

The Facets are small triangular faces, or planes, both in Brilliants and Roses. In Brilliants there are two sorts, skew or skill facets, and star facets. Skill-facets are divided into upper and under. Upper skill-facets are wrought on the lower part of the Bezil, and terminate in the girdle; under skill-facets are wrought on the pavilions, and terminate in the girdle; star-facets are wrought on the upper part of the bezil, and terminate in the table.

The Girdle is the line which encompasses the Stone, parallel to the horizon; or, which deter-

An Explanation, &c.

determines the greatest horizontal expansion of the Stones.

Lozenges are common to Brilliants and Roses. In Brilliants they are formed by the meeting of the skill and star facets on the bezil: In Roses, by the meeting of the facets in the horizontal ribs of the crown.

Pavilions are the under fides and corners of the Brilliants, and lie between the girdle and the collet.

The Ribs are the lines, or ridges, which distinguish the several parts of the work, both of Brilliants, and Roses.

The Table is the large horizontal plane, or face, at the top of the Brilliant.





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INTRO-



INTRODUCTION.

being, of all Jewels, of the greatest importance to this, and most nations of the world, justly demand the highest regard of any; inasmuch as they constitute the largest share of wealth of this kind, and are the chief ornaments of great and distinguished personages: More especially Diamonds, as being the most beautiful and valuable of all. On which account, as I have been above B thirty

thirty years a confiderable trader in them, and a manufacturer of Diamonds, I have studiously employed great part of my time in fearch of rules to ascertain the value of both under all circumstances, whatever be their weight and magnitude; and likewise, for manufacturing Diamonds to the greatest perfection. And apprehending that I have fully fucceeded; for the promotion of the commerce, and for the benefit of the publick, I have exhibited, in this treatife, means by which the inquisitive may attain to a right knowledge in these matters; and more especially concerning those from one carrat weight, to those of one hundred carrats.

The plates of the fizes of Diamonds, and the tables of the prices of both, are extended no farther than to Diamonds and Pearls, of that weight:

They

They might be carried on ad infinitum; and the rule of valuing will hold good, tho' they should weigh as much as Governor Pitt's Diamond, purchased by the Duke of Orleans for the present French King, which weighs 136 carrats \(\frac{3}{4}\), or as three others mentioned by Monsieur Tavernier, in the second part of his voyages, p. 148, English translation, viz. that of the Great Duke of Tuscany, which weighs 139 carrats \(\frac{1}{2}\), or that in a merchant's hands, which weighs 242 carrats \(\frac{5}{16}\), or that of the Great Mogul, which weighs 279 carrats \(\frac{9}{16}\).

If what is contained in this treatife be found true, it will confute the notion, that some Diamonds and Pearls are inestimable, on account of their extraordinary magnitude; which, to this time, prevails, upon the supposition that no methods can be found to

B 2

deter-

[4]

determine their value; and will likewife greatly contribute to support the dignity of the diamond manufacture.

Of the Production of DIAMONDS.

the just valuing of Diamonds according to their increase in fize and weight, is reasonable to suppose from this consideration; that nature has produced in times past, as well as it does at present, Diamonds in the following manner; viz. a vast number of small ones, and progressively a less number of larger. This therefore is a sufficient soundation for rules to be given for valuing them in proportion to their size and weight, which will be found

found hereafter exhibited; and if the use and application of them were conformable to the production of nature, the rules thus founded, and prescribed, would never be interrupted: And therefore, if the humour of the world demands, at any time, more or less of any particular fizes and weights than nature provides, the price obtruded thereby must be reckoned the occafional, and not the just price, and complied with as fuch; which happens to be the case at present, by the extraordinary use of small Diamonds in the decorations now fashionable in jewelling. And as the price of these small Diamonds will always fluctuate by the alterations of fashions, little regard will be had in this treatife to any, under the weight of one carrat.

It may be also observed, that the value of rough Diamonds from two,

B 3

to three carrats, and also of polished Diamonds from one, to one and a half, do not correspond with the rules hereafter laid down; the price at prefent being lower than what is afferted by the rules; which is acknowledged, and will remain so, as long as the humour prevails of fupplying the place of Diamonds of that weight, by meanly fetting fmall Stones in a cluster in their room, for the fake of a showy and flashy appearance, at a less price than Stones of these fizes would admit of; by which means these fizes are less used than formerly, and become cheaper (the production of nature being always the same) and from hence they are depreciated in their value; so that the present prices of these fizes must also be reckoned the occasional, and not the just price.

The rules are, nevertheless, just, uniform, and consonant to nature; and therefore are here proper to be offered, in order to affish in coming at the true knowledge of the value of Diamonds of a higher worth, than such as are liable to be affected in their price by the alteration of fashions in jewelling.

Of the Principle of valuing DIA-

HE principle, or rule is, that the proportional increase, or value of Diamonds, is, as the square of their weight, whether rough or manufactured. For the explanation whereof, an instance is first given in rough Diamonds; on which account it will be necessary to lay down a general B 4 price,

price, which is supposed to be 2 l. per carrat; meaning, the whole species, good and bad blended together, which are worthy the expence of manufactury. For example, suppose the value of a rough Diamond of two carrats, at the rate of 2 l. per carrat, should be required; the rule is, first, to multiply 2 by 2, which makes 4, the square of its weight; then, multiply the product of 4 by 2 l, the price of one carrat, that makes 8 l. which is the true value of a rough Diamond of 2 carrats.

Of the waste or loss of weight in the manufacturing of DIAMONDS.

O make this rule applicable to manufactured Diamonds, it will be necessary to ascertain what waste,

waste, or loss of weight, will be suftained in manufacturing them. And here it may be advanced as a matter of fact, that balf the weight will be loft; consequently, doubling the weight of any manufactured Diamond, renders the rule of the same use to shew their value. This loss is to be understood to relate to the general manufactury of Brilliant, and Rose Diamonds in the most perfect manner. To that end, rules are to be offered for a general practice in both kinds of manufactury; which, if conformed to, will be found to exhibit Diamonds in fuch a manner, as to be productive of greater perfection, and faving of weight, than any other standards of practice.

Of BRILLIANTS.

RILLIANTS are first to be confidered. And the manufactury of a square one, is fixed on for the fundamental, and governing rule of practice; nature for the most part directing thereto, as it produces abundantly more apparent fix pointed Stones, than Stones of any other form; and because the same depth, or substance, and the fame manner of proportioning that substance, which are effential in rendering a square Brilliant compleat, are necessary in rendering a Brilliant of any other shape compleat; and more fubstance, or any other manner of proportioning, will be found upon experience prejudicial to the beauty of their form, and the true dignity of their spirit and lustre; compared with fuch

fuch as are made conformable to the following rules.

Of a fix pointed rough DIAMOND, and the manner of manufacturing it into a BRILLIANT.

HE form of a fix pointed rough Diamond is previously to be described; as the shape of it is not much known.

It is a figure composed of two square pyramids, joined at their bases, and which form an out-line of a true square. The whole figure is composed of eight triangular saces, or planes; four above the base, and four below it; all meeting in two points, one at top, the other at bottom; terminating in the poles of the axis, or

3

line

line passing through the centre of the Stone from top to bottom. Some Stones are found to answer this figure very nearly. To make a compleat square Brilliant from such a Stone, if it be not exactly true by nature, it must be made so by art.

The first thing therefore to be done, is to reduce that part, representing the base of the two pyramids, to an exact square, which forms what is called the girdle of the Stone; and then, work by the square from the girdle, which will produce the two points of the axis; and, if it be truly executed, the length of the axis from point to point, will be equal to the breadth of the square from side to side. A draught of a side view of such a Stone will be found in the first plate, N°. 1.

The next thing to be done, is to produce the Table and Collet. In order to which, divide the block into eighteen parts from top to bottom; and then take away from the upper part 5, and from the lower part 1/8. This gives the upper part, or table fide, 4 above the girdle, which is of the remaining substance; and the lower, or collet fide, $\frac{8}{18}$ or $\frac{2}{3}$; only 12 of the original 18 parts being left in depth. And thus the table and collet are formed; which will be found to bear this proportion to each other, viz. the collet will be one fifth of the breadth of the table. In this state it is a compleat square table Diamond.

Its different parts are denoted by the letters a, b, c, d, e.—-a, shews what is usually called the table of the Stone, which is an horizontal plane at the top; b, the upper sides or bifils; c, the

girdle,

girdle, which shews its expansion; d, the under fides or pavilions; e, the collet, which is a small horizontal plane at the bottom. The prick'd lines above the table, and those below the collet, shew what has been taken away. A fide view of one will be found in plate I. No. 2.

Note, This species of manufactury has been exhibited time out of mind; and the Brilliant, which is an improvement upon it, has been introduced within the last century; as will appear to those who shall give themselves the trouble of an enquiry. But this not being effential to the present undertaking, (which will be purfued with the utmost brevity) an historical account of these matters is omitted.

This is the foundation of a square Brilliant; and, in order to render it a perfect Brilliant, each corner must must be shortened the part of its diagonal; and then the corner ribs of the upper sides must be flattened, or run towards the centre of the table that the sides; and the lower part, which terminates in the girdle, must be of one side of the girdle; and each corner rib of the under sides, must be flattened at the top, to answer the above flattening at the girdle; and at bottom must be to each side of the collet. A side view of one will be found in plate I. No. 3.

The parts of the small work which compleats it a Brilliant, are called star and skill fassets, and are of a triangular shape. Those which join to the table are the star sassets, those which join to the girdle the skill sassets. Both of these partake equally of the depth of the upper sides from the table to the girdle, and meet in the middle

[16]

of each fide of the table and girdle, as also at the corners; and thus they produce regular Lozenges on the four upper fides and corners of the stone. The triangular fassets on the under sides joining to the girdle, must be half as deep again as the above fassets, to answer to the collet part; that is to say, in the proportion of three to two. A draught of a Brilliant rendered compleat, will be found in Plate I. No. 4.

Under the before - mentioned draughts, are represented four compleat Brilliants in an horizontal view, by double draughts, weighing 36 carrats each. No. 5. is a square, No. 6. a round, No. 7. an oval, No. 8. a drop. The left-hand draughts regard their upper parts, and those on the right their under parts, which are supposed to be divided at their girdles.

dles. They are thus separately represented, the better to show their whole work, and in what manner it should lie; and likewise their size, or expansion, and the size of their tables and collets.

Note, Their perpendicular depths from table to collet, are shewn by the length of the bars placed under each double draught. The oct agon in the middle of the left-hand draught of No. 5. is the table, which is an horizontal plane, or face, at the top, and is denoted by the letter a. The triangular fassets adjoining to the table are star fassets, and are denoted by the letter b. Those adjoining to the extream part, or outlines, are skill fassets, and are denoted by the letter c. These, meeting in the middle of the upper fides, and corners of the stone, form figures of a lozenge shape round the upper fides and cor-

C

ners of the Stone, and are denoted by the letter d. The out-lines of this, and that of the right-hand draught, are the girdle of the Stone, and are denoted by the letter e. The triangular fassets adjoining to the out-lines of the right-hand draughts are the under skill fassets, and are denoted by the letter f. The lower sides are denoted by the letter g. The octagon in the middle is the collet, which is denoted by the letter b; and is an horizontal plane, or face, at the bottom of the Stone. This description serves as an explanation of the other three double draughts. All lines within the out-lines of the draughts, are called ribs in Diamonds. These draughts, with these explanations, will always be found of use to give a right idea of a Brilliant Diamond. In Plate VI, there is a draught of an instrument useful in examining the fize and

and depth of any Diamond, called a

prover.

In Plates II, III, IV, V, is exhibited a list of the draughts of the horizontal representation of 55 square Brilliants, from one carrat weight, to an hundred carrats, ranged in a progreffive order, according to their increase in fize, and weight; which are fo many tests to prove the truth, or error, of the manufacture of any Brilliant Diamond. Here it is to be observed, that their depths are expressed by the length of the bars placed under each draught; and the fixe of their collets, by the octagons under the bars, in order more distinctly to discern their several parts. The numerical figures on the left-hand of each draught, regard their number; those on the right hand, their weight. II.

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The reason why the number of fizes is not more multiplied, is, left the progression of increase in fize should not be discernable; and, by that means should create too great a difficulty in adjusting the degrees in which any stone departs from truth. And this the rather, on account of other stones differing in their shapes at the table, girdle, and collet, from those of fquare Brilliants; which increases, in some measure, the difficulty of determining any difference to a great nicety; the use of the fizes being to expose any considerable, or gross departure from truth, and to prevent the carrying on the base and heavy manufacture, which has of late prevailed in an extravagant degree, to the great disparagement of the Diamond species; and has contributed, likewife, to a great deception, and imposition on the pub-

publick. It may with truth be faid, regarding small Stones (which means Stones under the weight of a carrat) that, in general, they are fo ill made as to be void of their true beauty in all respects; and, by reason of their closeness, or want of due expansion, they will not fill up, by one fourth, the fame space as well made Stones do in a piece of jewelling work. Confequently, they are fo much less in appearance; and, as they retain one fourth more weight, than well made Stones of the same expansion; and, as they are wrought for one third, or half the price, the vender of such can afford to fell them 30 per cent. less, than he can afford to fell well made Stones.

The truth of these matters will evidently appear by suture enquiry and observation.

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Of the fixes of Brilliant DIAMONDS, and their use in discovering ill manufactured ones.

ERE it may be proper to show, how far this ill manner of working before-mentioned may debase Diamonds of larger fizes, and how much it may contribute to the deception both of buyer and feller. To that end will be shewn the use of the sizes in discovering a well, or an ill made, Brilliant. For example, suppose two Stones of fix carrats weight each, the one a well made, the other an ill made Stone; the first will tally in all circumstances with No. 20. of fix carrats weight; and the last may be loaded with undue substance, by which means its expansion may not exceed one of five, or four carrats weight. If any Bril-

Brilliant be so circumstanced, it is to be valued only as it agrees with any of the same expansion in the lift, allowing for the expence of rectifying; because, whatever substance, or weight, it carries beyond what its fize demands, destroys, in proportion to such excess, the beauty of its make, and its true spirit and lustre. And here may be feen, the difference it would make to a purchaser, who may be induced to give the price, that a well made Stone of fix carrats weight demands, for one whose expansion may not exceed that of five, or four carrats weight. For example, a Stone of fix carrats weight, by the rule before laid down, is - - - L 288 One of five carrats - - 200 0 0 One of four carrats - - 128 0 0 If the difference be so great in the instance given, how much greater must

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it be in regard to Stones of larger weights? And as that may be eafily known by the same method of enquiry, no other instance need be here given.

Since then, so great a deception may arise from the ill manufacture of Diamonds, the great use of the fizes in discovering such, evidently appears. And, as the attaining a right knowledge of the true make of Diamonds will be found, of all other circumstances, the most necessary in arriving at their value; fome remarks are here made, by which the reader is informed in what manner the defects of ill made Brilliant Diamonds will appear. To that end, an instance is given of a Stone of fix carrats weight, which is but of the expansion of one of five carrats. It will partake more, or less, of all the following defects. Either it will be deeper than a Stone of five carrats; or, if not deeper, its table and collet will be larger, and that will render it blocky, by the fides being too upright; or, it will be left too thick at the girdle, before the small work (which means the star, and skill fassets) is performed; and, if fuch thickness be sufficiently reduced; that is, so as to be confistent with fafety in fetting, the skill faffets will be executed in an obtuse, or blunt manner, and that will cause an undue swelling in the Stone; or it may, after all, be left too thick at the girdle. A Stone thus made will unavoidably be of an ill form, and be rendered lifeless, and dull; which cannot be rectified without the loss of its superabounding weight, which will reduce it to five carrats; and therefore it is to be valued only as one of five carrats. And in case a Stone, weighing fix carrats, should should tally only in fize with one of four carrats, these defects will be proportionably increased, to the still greater prejudice of the Stone; and therefore it will be purchasing deformity at the price of beauty.

Of the method of manufacturing, and valuing, SPREAD BRILLIANTS.

CONCLUDING it unnecessary to add any thing farther on the head of full fubstanced, and over-weighted Brilliants; the next thing that requires notice, is, the method of manufacturing and estimating spread Brilliants. As to the method of making them; to do it in the most compleat manner, they must be proportioned,

as in the case of full substanced ones, tat the upper, or table fide, and a at the under, or collet fide; and whatever be the diameter of their tables, that of their collets must be + thereof. The fmall work is to be performed in the fame manner as is practifed in full fubstanced Stones. This is all that is necessary to be taken notice of, in regard to their manufacture. But, previous to the method of valuing them, the following observation may be fuggested; --- that, as sufficient reasons have been given to make it appear, that Brilliants may be injured in their shape, and true beauty, by a fuperabounding of weight; fo, on the contrary, it will appear, that if they do not carry their true, or full substance, they will be injured in both these circumstances; by reflecting on the confequence of rendering them very thin or spread; which has frefrequently been carried to fo great an excess, as to deprive them of the benefit of workmanship; for the work must necessarily be so flat, as to cause fuch Stones to be faint, and languid in their luftre, and thereby less worthy of esteem in proportion to such excess. Notwithstanding which, it will be found, that in past times, instead of valuing THE WEIGHT of fuch wrought Diamonds, lefs on that account, it has been valued the more; merely for the fake of their making a showy appearance. To which may be added, that all fuch Stones are more liable to receive injury by blows, falls, or hard pressure, than full substanced ones.

Here it is necessary to explain what is meant by excess, because it must be allowed, that some Stones are so formed by nature, as not to be capable of being manufactured by art

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into any other than spread Brilliants, without too great a waste of the Diamond species. Therefore, it may be laid down as a fit rule, to include under that denomination (viz. of excess) all spread Brilliants expanded beyond the fize of full substanced ones of double their weight; and such are to be valued only as they may be supposed to weigh, if reduced to this standard.

It remains to show, in what manner spread Stones are to be valued; which is as full substanced ones are of the same weight, similar in all other circumstances. And they are to be so valued, on account of their expansion to the degree above-mentioned; for it must be admitted, that the spaciousness of their appearance to that degree, counter-balances the desiciency of lustre, owing to their want of substance.

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And this is all that can be offered in justification of so valuing them, which carries the appearance of partiality rather in their favour, than disfavour; especially in regard to such as are of the greatest expansion within the limits mentioned; considering, that sull substanced Stones have all the advantages that both nature and art can bestow.

Of Rose Diamonds.

ERE it is to be observed, that nothing can more perpetuate Rose Diamonds in the esteem they have hitherto had in the world, than maintaining the truth of their manufacture. Nor was it ever more sit to be recommended than at present, on account of the corrupt taste that has

of late prevailed, in converting Rose Diamonds into Brilliants, under pretence of rendering them, by that means, a more beautiful, and excellent Jewel. This has frequently been done, to the great prejudice of their value, by leffening the weight, and expansion they bore in their preceding state; and they have frequently been more injudicioufly manufactured in the new species, than they were in the old. This will appear to have been often the case, by the upper part of fuch Stones not carrying a true proportion of the fubstance of the Stone: Which of course renders the upper part flat, and the table of an immoderate extent; fo that the fide work, or bezil, appears but as a narrow border. This method of working has been introduced for the fake of preferving the expansion, and weight of fuch Stones, which unavoidably would

would be more reduced, if they were allowed their true proportion of top. Which reduction both of their weight and expansion will appear ever necesfary to be done, to render such Stones compleat spread Brilliants; for such only are they capable of being manufactured into.

Of the impropriety of changing well made Rose Diamonds into Bril-Liants.

ROM what has been observed, it will appear, that no Rose Diamonds are proper subjects of this metamorphosis, but such only as are over weighted; and of such, those are the most proper subjects of the metamorphosis which have the base, or girdle, too thick. The over weight will be

discovered by the fixes hereafter mentioned. To convert any Rose Diamond, not so circumstanced, to a Brilliant, will be shown to be a practice not sounded in reason, and which carries in it the appearance of an attempt to depreciate this antient and spacious manufacture of Diamonds, in order to exalt a new one beyond its real and true merit.

For it will be found, that a compleat Rose Diamond will be more expanded than a compleat Brilliant of the same weight, and proportionably so in regard to spread Stones; therefore, as it has been shewn, that an increase of expansion is substituted in the room of depth, or substance, in Brilliants, the same is to be admitted in regard to Rose Diamonds, provided their expansion does not exceed the limits prescribed in the case of spread Brilliants.

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And

And if it be admitted, as some have afferted, that there is a superior excellency in Brilliants; what must be the consequence, but that Rose Diamonds must sink in their value, to the great prejudice of the most noble and antient Families, who are greatly possessed of them, as being a more antient Jewel than Brilliants? But, on the contrary, it will appear that Rose Diamonds, when truly manufactured, are not inferior to Brilliants, all circumstances considered.

Of the form of a Rose Diamond.

SOME observations are now to be made concerning their form. Their being called Rose Diamonds, probably took its rise from their shape, in some measure resembling that of a rose-bud

bud before it expands its leaves. They appear in a kind of femi-globular form, only terminating in a point at the top. Which form, and likewise the work, or facets thereof, covering the whole face of the Stone, being more equal, exhibit a more even difplay of beauty, than a Brilliant, whose lustre is derived from the angles, or facets, of the sides only. And as their angles are larger than those of a Brilliant, they throw forth more copious rays, the lustre of which appears to be equivalent to the sparkling vigour of the smaller, and more numerous angles of a Brilliant.

The fitness of afferting the dignity of the Rose Diamond manufacture having been shown, the manner in which it is to be performed, is next to be pointed out. But first, it is necessary to lay down what is requisite

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to constitute a compleat Rose Diamond. A round, or circular Stone is found the fittest for that purpose; because its form is the most beautiful, and productive of more vigour than any other shaped Stone; which arises from its admitting of more equal, and better connected fassets, than other shaped Stones will allow of. And for this farther reason, that the same substance, and manner of proportioning, which renders them most compleat, will render Stones of any other shape as beautiful as their forms will admit. The right substance, proportions, and manufacture of a circular Rose Diamond are as follow.

Of the manufacture of a Rose DIA-

the base to the point, must be half the breadth of the diameter of the base of the Stone; and the diameter of the crown must be is of the diameter of the base; and the perpendicular from the base to the crown must be is of the depth of the Stone; and then, the lozenges, which appear in all circular Rose Diamonds, will be equally divided by the ribs that form the crown. The upper angles, or facets, will terminate in the extream point of the Stone, and the lower in the base or girdle.

In the 6th plate, there are four draughts of Rose Diamonds manufactured by the before-mentioned rules.

The first is a side view of a circular D 3 shape.

shape. The second, an horizontal view of the fame. The third, an oval. The fourth, a drop. Their feveral parts are explained by the first and second draughts. As to the first, a, is the point; b, the crown; c, the girdle. The upper triangles, or fassets, show half the work of the crown; the under triangles, half the fide. As to the fecond draught, the common interfection of the fix cross lines meeting in the centre of the draught, is the point; the lines that form the hexagon, and the triangles within it, compose the crown; the triangles without the hexagon compose the fides; the out-lines show the girdle. All lines in the draughts are called ribs in Diamonds, except what express the girdles. These draughts are the representations of Rose Diamonds of 36 carrats weight each, and may be of perpetual nife

use to give a right idea of their proper figures, and workmanship.

Of the fizes of Rose Diamonds, and their use in discovering ill manufactured ones.

IN the following Plates VII, VIII, IX, X, is exhibited a list of 55 draughts of circular Rose Diamonds from one carrat weight, to an hundred carrats; which are so many tests to prove the truth, or defects, of any manufactured Stone of that kind. Their use, as in the case of Brilliants, will be shown in proving a Rose Diamond to be either truly made, or not. For example, suppose one of sive carrats weight; if it be truly made, it will be as expanded at the base, or girdle,

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as No. 18. of five carrats, and the fize of the crown will also agree therewith; its depth will be likewise half its diameter, or breadth. But if it be basely made, and left loaded with undue weight, its expansion at the base may not exceed one of above three, or four carrats weight. Such a Stone, according to the degree in which it falls short of its just fize, will partake of fome, or all the following defects. Either its depth, from the base to the point, will exceed the rule; or, tho' it should not be too deep, its sides below the crown may be too upright, which will be discovered by the crown's exceeding its proper extent, and that will confequently cause a flatness from the crown to the point; or the crown may be fituated too high; if so, the fize of the crown may not exceed its just extent, but then it will occasion

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an increased flatness of the crown, and produce an extravagant depth below it; or the girdle may be left too thick. If any Rose Diamond is made after this manner, it will, according to the degree in which it is thus desective, be injured in its shape, spirit, and lustre; and therefore is not to be valued by its weight, but only as it agrees in size with any in the list; for the same reasons as are given in the like case of Brilliants.

Of the method of manufacturing, and valuing SPREAD ROSE DIAMONDS.

HE next thing to be regarded, is the manner of making, and valuing, fpread Rose Diamonds. As to the manner of making them; what is necessary to be observed, is, that their

crowns

crowns must be of such an extent, and placed in such a situation, as to prevent any disproportionate slatness in the crown, and unequal division of the lozenges: And, that they be made as thin at the girdle as is consistent with safety in setting them. This is all that is necessary to be observed on that head. As to valuing them; the same method is to be observed, as in the case of spread Brilliants in all respects.

Note, This article of making spread Rose Diamonds, is as necessary to the same ends and purposes, as the manufacture of spread Brilliants; inasmuch as they occupy thinner matter than Brilliants can.

Supposing it sufficiently proved, that Brilliant, and Rose, Diamonds, are of equal estimation and value; the next considerations are those of their perfections,

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tions, and imperfections, regarding their innate properties.

Of the innate perfections, imperfections, and water of DIAMONDS.

HE circumstances which distinguish the finest Diamonds are these; their complexion must be like that of a drop of the clearest rock water. And if such Stones be of a regular form; and be truly made; and free from stains, souls, spots, specks, shaws, and cross veins, they will carry the highest lustre of any whatever, and will be esteemed the most perfect.

If any are tinctured yellow, blue, green, or red, in a high degree, which feldom happens, they are next in esteem; but, if any partake of these colours only in

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a low degree, it finks their value below the before-mentioned.

There are other complexions of a more compound fort, fuch as brown, and those of a dark hue. The first of these sometimes resemble the brownest fugar-candy, the latter dusky iron. And if any Diamonds are attended with stains, fouls, spots, specks, slaws, and cross veins, it will abate their lustre, and fink their value. Here it may be observed, that what is commonly called the first water in Diamonds, means the greatest purity, and perfection of their complexion, which must be like a drop of the clearest rock water. When any speak of a Diamond falling short, more or less, of that perfection, it is expressed by saying, it is of the second, or third water, &c. till a Stone may be properly called a coloured one. And to speak of a Diamond imperfectly coloured, and containing any other defects, as a Stone of *a bad* water only, is very improper; as it does not convey an idea of the particular colour, or defects belonging to it.

Of the table of prices of DIAMONDS.

HE next thing to be taken notice of is a table, which will be found in the 11th, 12th, 13th, 14th, 15th, and 16th plates. This table confifts of the price of Diamonds from one carrat weight to an hundred carrats, formed upon the principle of valuing them by the square of their weight, upon the supposition that the governing price of rough Diamonds, good and bad blended together, is 2 l. per carrat; so that 2 l. is to be reckoned the mean, or middle price,

price, and will be found of great use to prevent the trouble of calculating the price of every Stone by the rule. If any Stone differs in its value from this mean, or middle, price, whether higher or lower, so much per cent. is to be added, or deducted, as judgment shall direct. For example, a Stone of one carrat will be feen in the table to be 81. To find it out by the rule, the method is to multiply 2 by 2, that makes 4, which is the square of its weight; then multiply 4 by 2 l. the price of one carrat, that makes 8 L. Here it is to be remembered, that half the weight is supposed lost in making, which occasions the first multiplying by 2; but, as this method is more laborious, and intricate, in regard to Stones of odd weights, the table will be found of much convenience. The instance of five carrats one eighth, may

may be given as a proof; first, reduce the 5 carrats $\frac{1}{8}$ into eighths, which make 41; that being done, multiply that into itself, which makes 1681; and then, multiply that by 1 l. being the 8th part of 8 l. the price of one carrat; that makes 1681; and then divide 1681, being now eighths, into whole numbers, by 8, that produces 210 l. 2 s. 6 d. which is the price of fuch a Stone, and agrees with the table.

It will be here proper to observe farther, that no notice is taken of the additional price, which the expence of manufacture would occasion in each Stone. This is omitted on account of the different prices their different fixes and weights demand; and likewise on account of the different prices, which their various fubstances require. These circumstances render it impracticable

to be inserted, and therefore the prices of both are contained in four tables exhibited at the end of the treatife. The first table contains the price of full substanced, or full proportioned Brilliants, explained as follows: The first column exhibits a supposed increase of fize and weight, from a Stone of a carrat, to one of an hundred carrats. The first five articles are carried on by the increase of one carrat each, the following by five carrats each. The fecond column contains the price of their workmanship, according to their increase in weight, at the rate of 1 l. per carrat. The reason of carrying on the gradation by the increase of five carrats, is for the fake of brevity; as the different prices of the intermediate weights are inconfiderable, compared with the increased value of such Stones. The first table being explained, it will ferve

ferve as an explanation of the other three.

The fecond table exhibits the price of making Spread Brilliants, which is rated at 1 l. 5 s. per carrat; and is fo done for the following reasons: Namely, that all fpread Stones require more care than full-fubstanced ones, and are not fo foon dispatched. The third and fourth tables regard the price of manufacturing Rose Diamonds; which manufacture demanding less labour than that of Brilliants, causes the price to be one fourth less, as will be seen by the 3d table regarding full fubstanced, or full proportioned Rose Diamonds. The 4th table regards spread Rose Diamonds, the price of which is the fame with that of full-substanced Brilliants, which is fo raised for the same reasons as have been given in the case of spread Brilliants.

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If I had not inferted the different expence of manufacturing Diamonds, it would be found wanting in the value of every Stone; but may now be eafily supplied from the tables just explained. An instance will fully evince their use, which I will give in the case of a full proportioned Brilliant. For example; suppose the value is required of one of the mean, or middle fort, of 7 7 carrats; the Diamond, exclusive of the expence of workmanship, comes to 496 l. 2 s. 6 d; the expence of workmanship must be reckoned at Il. 17 s. 6 d. per carrat, which comes to 141. 15s. 33; that being added, the whole makes 510 l. 17s. 9 3.

From the various helps contained in this book, it may be reasonably expected, that such as are skilful in Diamonds, and acquainted with the current price of them, will hereafter universally

agree

agree in fentiments concerning the value of any Stone of a carrat weight, however circumstanced, to 5 or 10 per cent.; on whose judgment the less knowing will naturally rely. By this means, the value of Diamonds will be acknowledged to be determinable to this degree of certainty; inasmuch as the worth of any Stone, of what degree of perfection, or imperfection so ever, either in regard to nature or art, is to be determined by the price of one of a carrat weight, similar in all circumstances.

Farther observations on ROUGH DIA-

SUPPOSING the feveral means for attaining a right knowledge of the value of manufactured Dia-E 2 monds

monds have been fufficiently treated of; it is here to be observed, that the fixes of Brilliant and Rose Diamonds will be of great use, in directing the judgment concerning the loss of weight that may be fustained in working ANY Diamond; and therefore must be of great service towards forming a right notion of their value, as it is well known, that some rough Diamonds must sustain a much greater loss, or diminution of weight than others, arifing from their peculiar shapes. And to form a true judgment of the value of any rough Diamond, the price or value of one of a carrat weight fimilar to the Stone which is to be purchased, determines its value, as in the case of manufactured Diamonds. But, as it is more difficult to judge what a rough Diamond will prove when cut, than to judge of one manufactured; the buyer, fup-

fuppofing him a merchant, must act with proper precaution, and make sufficient allowance to himself for the uncertainty of the Stone's answering expectation when wrought. And, it it be a Stone of a confiderable value, he must allow himself also for the interest of the money he lays out, according to the time he supposes the Stone may remain unfold. These precautions are the only means of guarding against the hazards, and difadvantage, that attend dealing in large rough Diamonds. And, by fuch a conduct, dealers may be enabled to fell at a price agreeable to the estimation of the skilful; which estimation is the only thing to be regarded by those who purchase them for their own use. To urge any other confiderations to the purchaser for augmenting the price of any Diamond E 3 beyond

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beyond its just value, will, it is humbly apprehended, be judged a weakness, and likely to hinder the sale of such goods.

But, if it should be here remarked, that particular cases, or occasions, may justify the seller in demanding an advanced price for any Diamond; such deviations must be considered as merely occasional, and the buyer is at liberty, whether he will comply or not.

Some account of Authors, who have heretofore treated of DIAMONDS and PEARLS, and the improvements which have been made since their times.

HOUGH what I have advanced is really the produce of many years critical observations in the course

of dealing in rough and polished Diamonds, and has been a work of much time, labour, and great expence; I am not a little pleafed to fee it agree with what I have fince found to be mentioned by fome celebrated writers, who have exhibited the principle upon which Diamonds are to be valued. The first which fell into my hands was Monfieur Tavernier, who mentions it in his Voyages through Turky, Perfia, and the East-Indies, which he published in the year 1670, and which were translated into English in the year 1678. The next was the memorable Mr. Lewis Roberts, who published it in his map of commerce in the year 1638. Some time after, I communicated the principle of valuation I have exhibited in this treatife, to an acquaintance of mine, who was a dealer and a diamond cutter, and who had lived many

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years

years at Fort St. George in that capacity; by whom I was informed, that the India traders (meaning the natives of India) had some established rule of estimating Diamonds, &c. which he believed to be the fame with what I then proposed. At length, several years after the perusal of the above writers, a still more antient one was shewn me by means of a gentleman of great learning, and of great figure in the literary world. This author was John Arphe de Villa Fane, who speaks of the principle of valuation in his treatise entitled, The standard of gold, silver, and precious stones, published in Spanish in the year 1572, by the King of Spain's especial licence. These writers have mentioned some attempts to fettle rules for the manufacture of Diamonds; but, it is to be obferved, that not only what they have deli-

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delivered is very imperfect, but that when they wrote, the art of making Brilliants was not discovered; which manufacture is effential to the faving of the weight formerly loft, by cutting all rough Diamonds into tables, and roses; to prevent which loss of weight, as much as possible, a heavy load of substance has been left on both these kinds of manufacture. Moreover, to fave weight, rough Diamonds have been frequently fawed, especially such as had no corners, in order to make them into roses; but this practice was attended with a much greater expence of workmanship, and withal, a much greater loss of weight, than they have been subject to since the making of Brilliants has been introduced; this latter manufacture being more fuitable to Stones of most shapes.

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These observations show, that if the truth of the manufacture of Table and Rose Diamonds had been known in times past, which appears not to have been the case, although it might have been of use in preventing the past defective manner of making them, it could not procure the advantages which flow from the addition of the Brilliant manufacture, fince that renders the whole a compleat system; and not only contributes to the greatest saving of weight, but likewise ascertains the general loss of weight, as has been already observed, which could not be known till the manufacture was reduced to fettled rules. The want of this, probably, occasioned a difregard of what has been taken notice of by these authors concerning the manufacture, and valuation of Diamonds.

Of the Superior worth of DIAMONDS, over all other JEWELS.

TO what has been offered in support of the truth of their manufacture and value; it is to be added, that Diamonds have, in every age, been esteemed the chief of Fewels, on account of their innate specifick qualities; which, if not exhibited by proper skill, remain imprisoned. It is certain, that, in their natural state, they have not fo much beauty or luftre, as fome other fort of Jewels; but when truly and judiciously manufactured, they throw forth a splendor, and luftre, furpaffing all others, which justly entitles them to the most perfect workmanship, and will consequently be the most likely means of perpetuating them in the esteem of the world.

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And this will tend to establish their worth, and fecure every one's property therein; whereas a neglect of exhibiting and displaying their beauty by a proper workmanship, will render them unworthy ornaments of the great and distinguished; which of course must fink their value. These considerations, doubtless, will influence the curious and discerning to give all due countenance to their being exhibited, in future times, with that beauty and. lustre of which they are susceptible. And if the following additional circumstances be taken notice of, they will farther show, that Diamonds deserve the chief regard of all Jewels. First, They are the best repository of wealth; inasmuch as they will lie in the smallest space of any, and are thereby the most portable, and best conveyance of treafure. Next, their superlative Hardness

mess secures them from all injury by wear; as nothing can make any impression on them, or prejudice their lustre, but their rubbing against each other. They can only be affected by fire, and that must be strong and lasting to do them much harm; and the injury they receive thereby arises chiefly from taking them too hastily from thence, whereby the immediate impression of the cold air may possibly produce slaws, &c. A moderate fire will only occasion a roughness on their surface, which may be repaired by new polishing.

This finishes what is to be offered, separately, on the subject of DIA-MONDS.--That of PEARLS is now to

be considered.

Of PEARLS, their production, and the manner of valuing them.

HESE Jewels are next in importance to Diamonds, as they constitute the next greatest share of wealth of any other kind. The first thing to be observed concerning them, is, that what beauty they posses, is the mere produce of nature; and that they are not fusceptible of any advantages or helps by art; a circumstance which recommends them to the esteem of the world. The only rule of valuing them, is by the square of their weight, as in the case of Diamonds; nature producing them after the fame manner, viz. a vast number of small ones, and progressively, a less number of larger as they increase in fize and weight. Upon this principle two tables are

are formed of the prices of Pearls. The first eight contain those of a carrat weight downwards, of eight different values, which will be found in Plates XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXIV. The first being explained, it serves for the other seven. The first column contains the number of Pearls in an ounce troy, from those of a carrat weight, to fuch as weigh but the 32d part of a carrat. The fecond column contains the progressive decrease of their weight, from those of one carrat, to those of the 32d part of a carrat. The third contains their feveral prices, from one carrat at 2 s. to those of the $\frac{3}{128}$ th part of a penny. The fourth contains the price of an ounce, at the rate of 2 s. per carrat, which makes 15 l, to that of the smallest fize, which is 9s. 4 d 1/2.

The next thing to be taken notice of, is, a table that relates to Pearls of a carrat weight, and upwards to an hundred carrats, which will be found in Plates XXV, XXVI, XXVII, XXVIII, XXIX, XXX. The prices of Pearls in this table, are founded upon the supposition, that the general price of Pearls, good and bad blended together, is 8 s. per carrat; which will be found to be the first article in it. This table, therefore, will be of the fame use with regard to PEARLS, as the diamond-table is in regard to Diamonds. For, if any Pearl exceeds in quality, or falls short of those of the middle fort; the rife, or fall, upon the price of a Pearl of any weight must be so much per cent. as judgment shall direct; which prevents all trouble of finding it out by the rule. To show the convenience of this table.

ble, the following example may be given. If the value of a Pearl of 4 carrats 7 is required, which may be supposed to be 10 per cent. better than one of the mean or middle price, it will be found, by the table, to be worth 9 l. 10 s. 1 d. 1. Then 19 s. is to be added, which is the produce of the 10 per cent. and makes its value to be 101. 9s. 1 d. 1. To find out the first price by the rule; reduce the 4 carrats 7 into eighths, which make 39; then multiply that into itself, which is 1521; then multiply that by 1 s. being the 8th part of 8 s. the price of a carrat; that makes 1521; and then divide 1521, being now eighths, into whole numbers, by 8; that produces 9 l. 10 s. I d. 1.

0

Of the perfections, and imperfections, of PEARLS.

perfectly round, which fits them for necklaces, bracelets, jewels for the hair, and other such like uses. But if a Pearl, of any considerable size, be of the shape of a Pear, it is not reckoned an imperfection, because it may be suitable for drops to earings, solitairs, and many other jewels. Their complexion must be milk white, not of a dead and lifeless, but of a clear and lively hue, free from stains, souls, spots, specks, or roughness; such are of the bighest esteem and value.

Pearls are defective when rough, spotted, or dull; whether that be owing to any miscarriage of nature, or to

age, to wear, or any other accident: When irregular in their shapes, be they flat or hollow, craggy or gibbous: When they are stained with any colour, as yellow, blue, green, red, brown, or that of a dusky iron. It is also an imperfection when they have large drilled holes, or are rubbed flat about the edges of the holes by long use. These defects cause a very considerable difference in the value of Pearls of the same weight and fize; to judge of which must be left to every ones skill and discernment. It may, notwithstanding, be fairly concluded, that fuch as are skilful and discerning will agree in their fentiments concerning the value of any Pearl, as nearly as in the case of any Diamond. And be a Pearl of what weight foever, its value is to be estimated by the price of one of a carrat weight, fimilar in all circumstances.

F 2

CONCLUSION.

TUPPOSING what has been advanced in this treatife to be now evident, the importance of Diamonds and Pearls cannot but appear; and it will be allowed, that the value of these species of Jewels is determinable to a great nearness. In consequence whereof, the injuries to which the publick, and even those of the trade, have hitherto been exposed, by an indeterminate valuation of this kind of property, will hereafter be greatly leffened; and the reputation of traders supported, which has heretofore lain under much censure; owing to their not being more uniform in their fentiments concerning the worth, or value, of these Jewels, more especially those of the largest sort. And, if the rules laid down for working of Diamonds, be hereafter put in practice; the world will see Diamonds exhibited in their full lustre and splendor, which will justly give them the pre-eminence of all other Jewels. Thereby also art will be encouraged; which has been for many years past much depressed, to the great hurt of all, and even to the total ruin of many, of the most ingenious workmen.

The fitness of propagating this knowledge has led me to the publication of this work; and, I cannot suffer myself to doubt, but it will be as acceptable to all ingenious traders, as to other purchasers: Truth, and the publick good, being the principles on which every friend to mankind always does, and always will act.

The expence of making full proportioned Brilliant Diamonds.

The expence of making fpread Brilliant Diamonds.

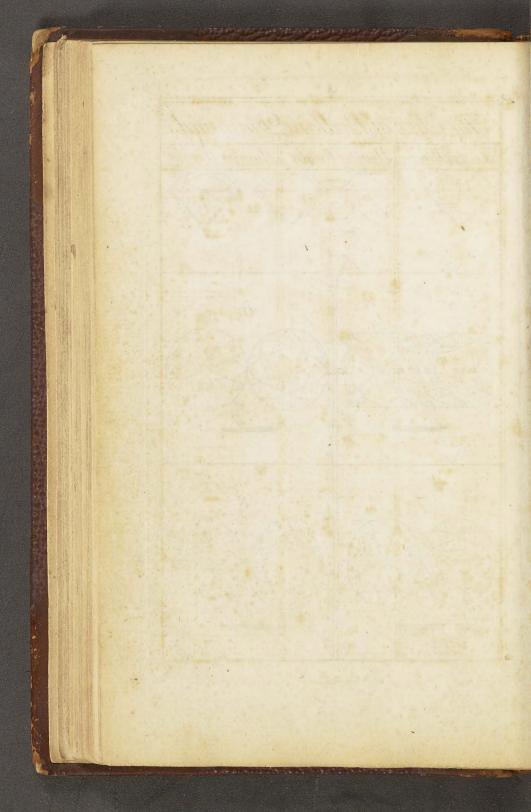
	1	Per Ca	irrat.	i see a si		Per Carrat.		
Carrats.				Carrats.				
To Some	l.	5.	d.	deer's	2.	5.	d.	
I	1	0	0	1	I	5	0	
2	I	2	6	2	1	8	1 1/2	
3	I	5	0	3	I	II	3 4 6 1	
4	I	7	6	4	I	14	4-	
5	I	10	0	5	I	17	6	
10	2	2	6	10	2	13	1,	
15	2	15	0	15	3	8	9: 42	
20	3	7	6	20	4	4	42	
25	4	0	0	25	5	0	0	
30	4	12	6	30	5	15	7=	
35	5	5	0	35	6	II	3	
40	5	17	6	40	7	6	102	
45	6	10	0	45	8	2	6	
50	7	2	6	50	8	18	12	
55	7	15	0	55	9	13	9	
60	8	7	6	60	10	9	42	
. 65	9	0	0	65	II	5	0	
70	9	12	6	70	12	0.	72	
75	10	5	0	75	12	16	3	
80	10	17	6	80	13	II	102	
85	II	10	Ó	85	14	7	6	
90	12	2	6	90	15	3	12	
95	12	15	0	95	15	18	9	
100	13	7	6	100	16	14	42	
	Allerton anno		- and confin	manufacture was a standard or a street	-		BACTURE CONTRACTOR	

The expence of making full proportioned Rofe fpread Rofe Diamonds.

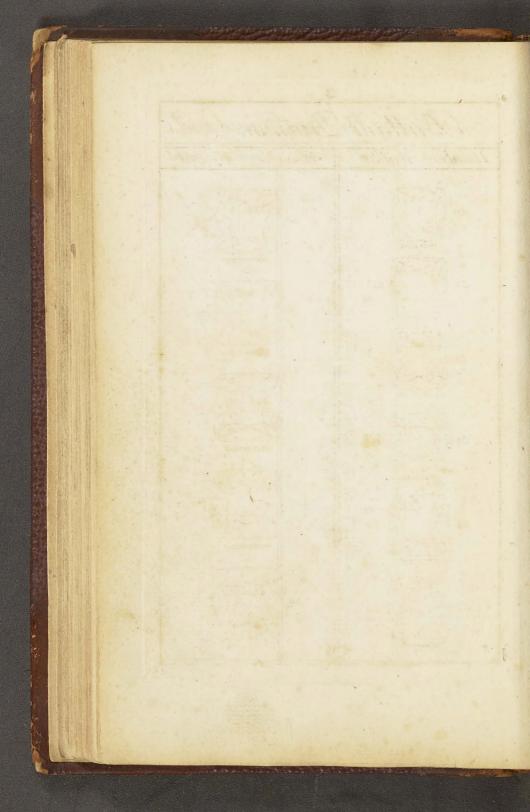
The expence of making fpread Rofe Diamonds.

Carrats.	1.	Per Ca	arrat.	Carrats.	2.	Per Carrat.		
				*				
I	0	15	0	T	I	0	0	
2	0	16	101	2	I	2	6	
3	0	18	9.	3	I	5	0	
4	I	0	72	4	X	7	6	
5	I	2	6	5	I	10	0	
10	I	II	101	10	2	2	6	
15	2	I	3,	15	2	15	0	
20	2	10	71/2	20	3	7	6	
25	3	0	0	25	4	0	0	
30	3	9	43	30	4-	12	6	
35	3	18	9	35	5	5	0	
40	4	8	1 1 2	40	5	17	6	
45	4	17	6	45		10	0	
50	5	6	102	50	7	2	6	
55	56	16	3	55	7	15	0	
60		5	73	60	8	7	6	
65	6	15	0	65	9	0	0	
70	7	4	43	70	9	12	6	
75 80	7 8	13	9	75	10	5	0	
	8	3	1 1 2	80	10	17	6	
85		12	6	85	II	10	0	
90	9	I	102	90	12	2	6	
95	9	11	3	95	12	15	0	
100	10	0	7=	100	13	7	6	
	-							

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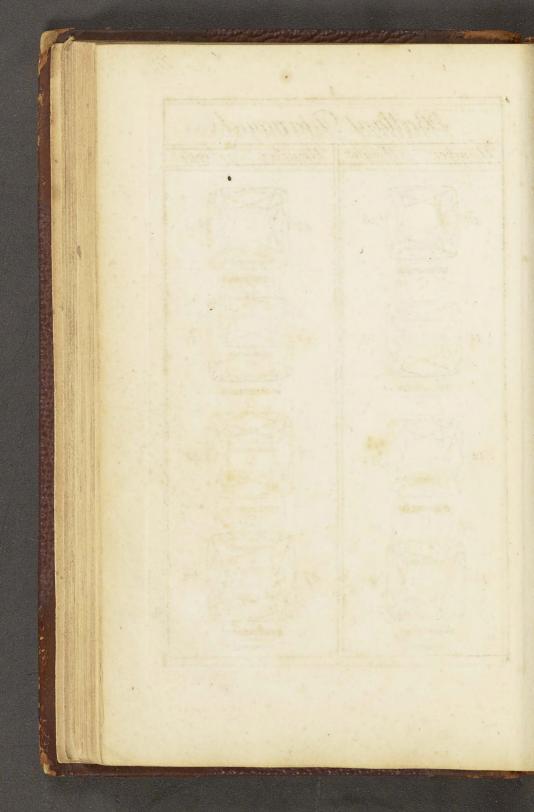


The Size of Brillant Diamonds.					
Humber Weight	Number Weight	Number Weight			
	13 3 3 4 4 4 4 15 4 4 4 4 17 4 4 4 4 4 4 4 4 4 4 4 4 4 4				
11 34 34 12 12 34 12 12 12 12 12 12 12 12 12 12 12 12 12	20 64	28 /22			



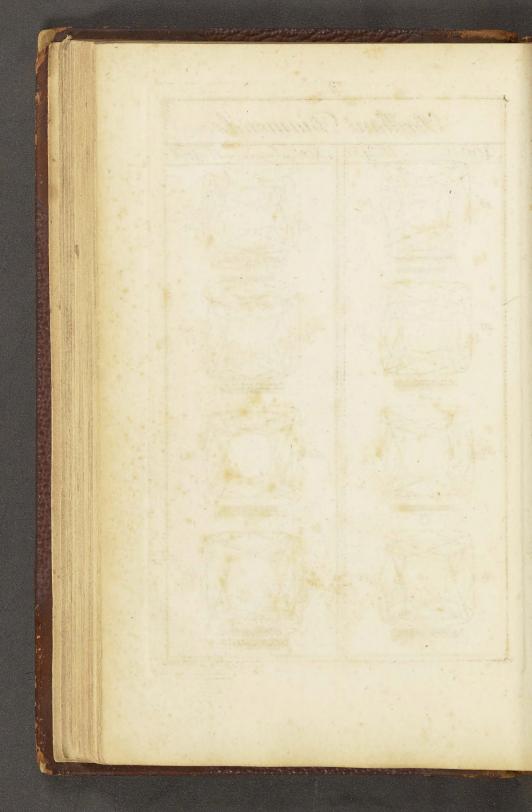
Brillant Diamonds.

Drillant?	Diamonds.
Number Weight	Number Weight
29 14	35
30 15½	36
31 17	37
33 20	38 30
34	39 33

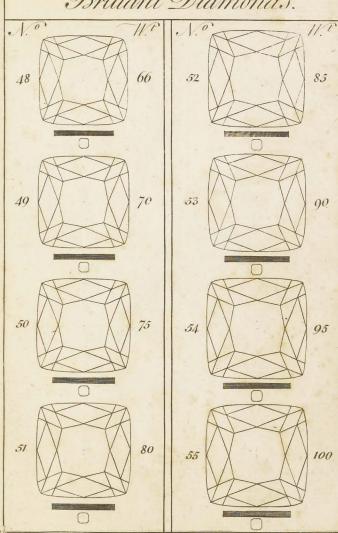


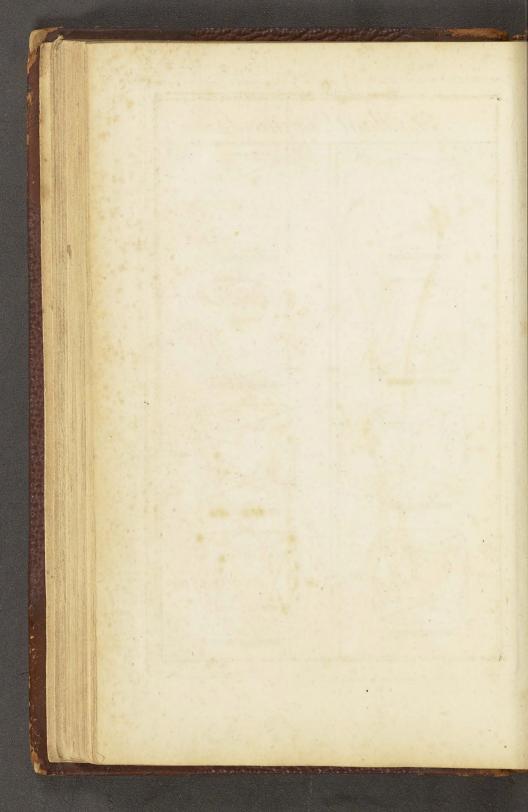
Brillant Diamonds.

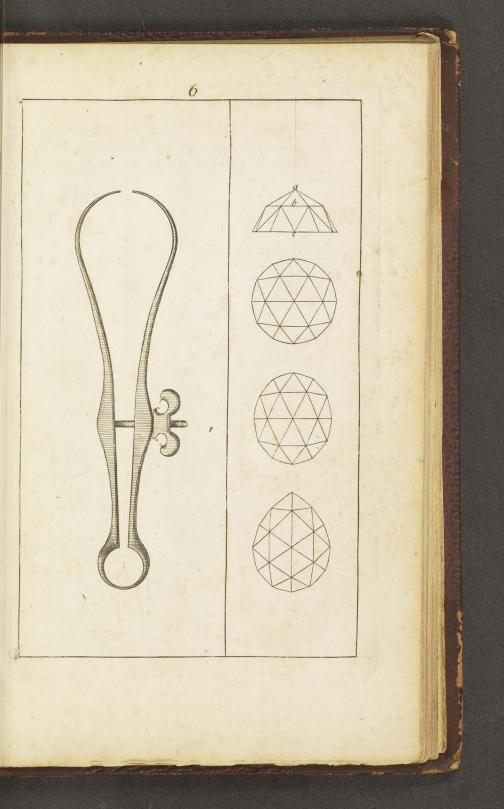
Number Weight 44 50
44
0
45
46 58
47 62

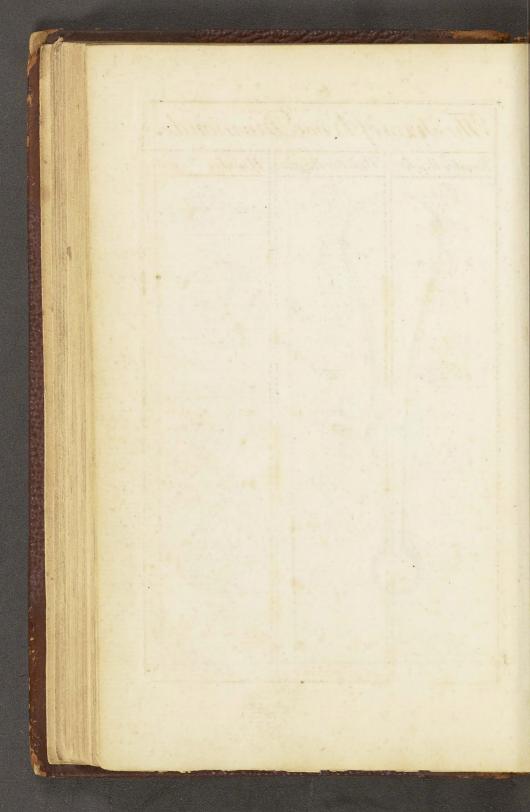


Brillant Diamonds.



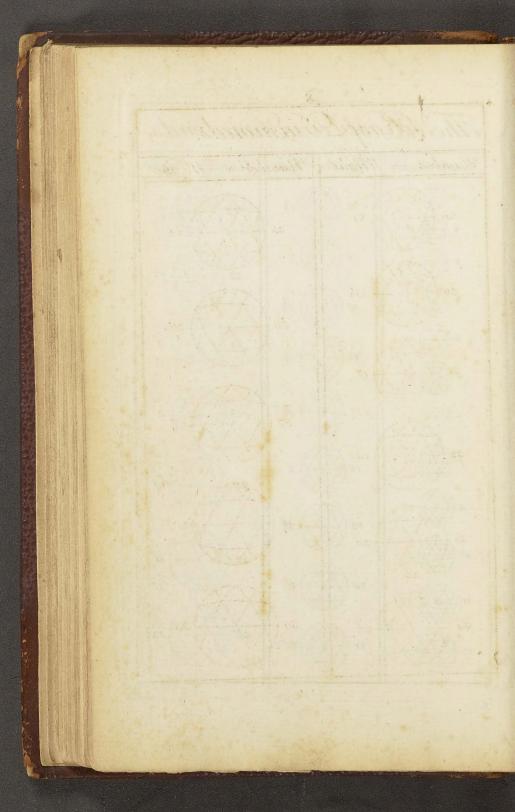






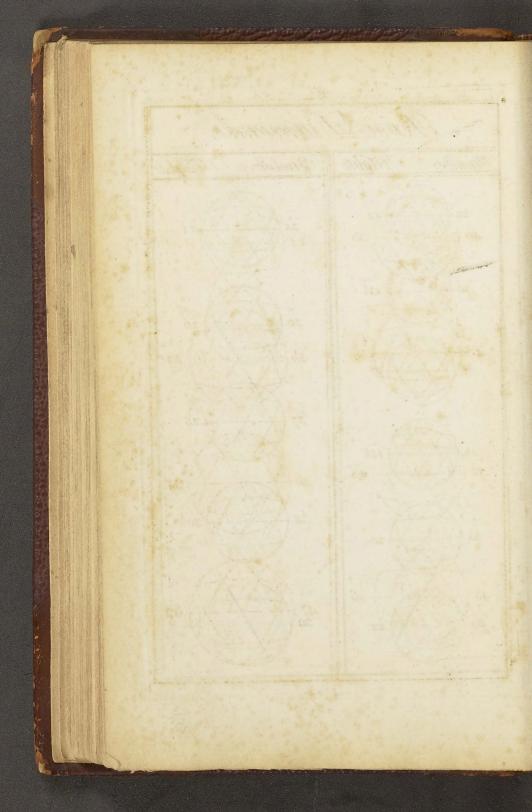
The Sizes of Rose Diamonds.

Number Weight	Number Weight	Number Weight
2 18	13 3 3	22
3 14	14 4	23 72
4 14	15 44	24 8
6 2	16 4½	
7 2 f	17 44	25 9
9 23	18 5	26
10 3	19 52	27
11 34	20 6	
12 31/2	21 62	28 12½



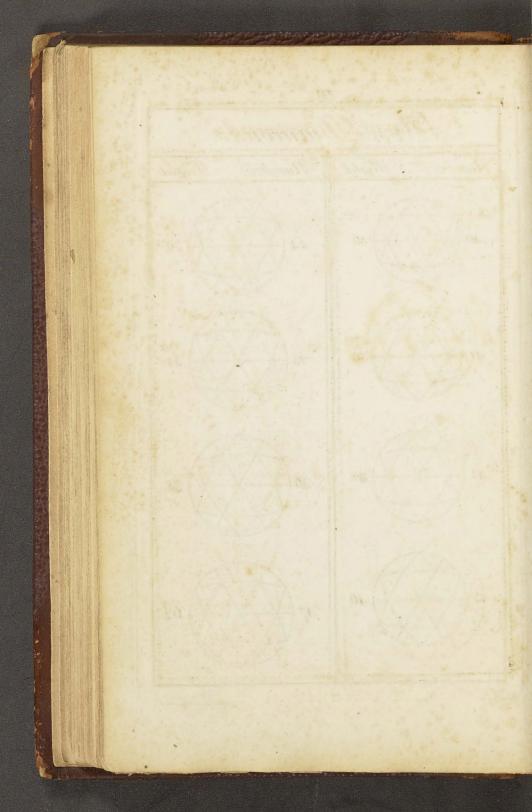
Rose Diamonds.

Number Weight	Number Weight
29 /14	35 24
30 154	36
32 182	37 28
33 20	38 30
34	39 33

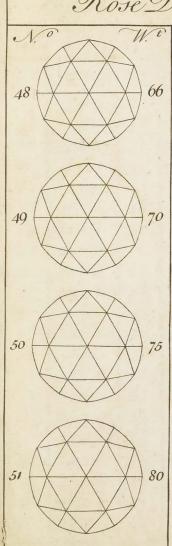


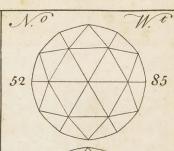
Rose Diamonds.

Number Weight	Number Weight
40 36	44 50
41 39	45 54
42	46
43 46	47 62

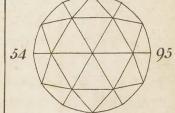


Rose Diamonds.

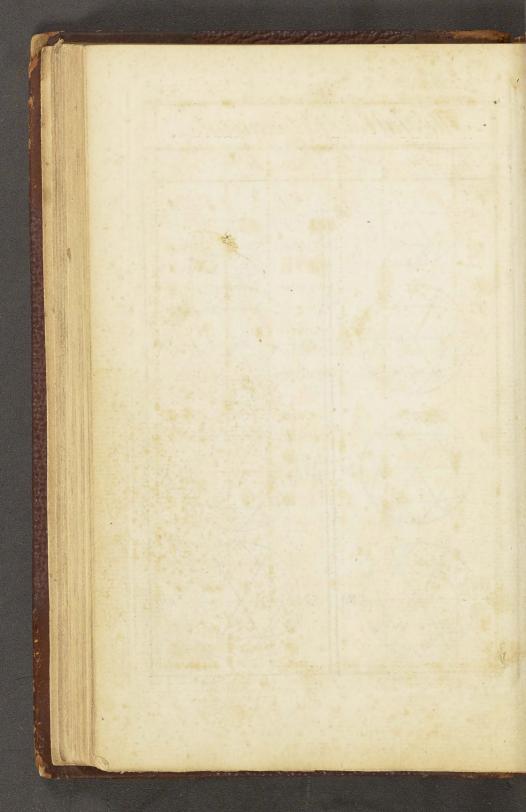






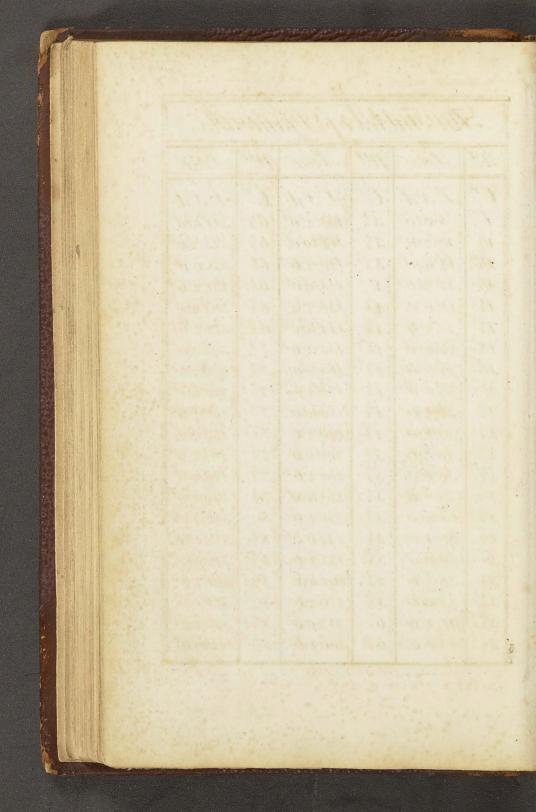






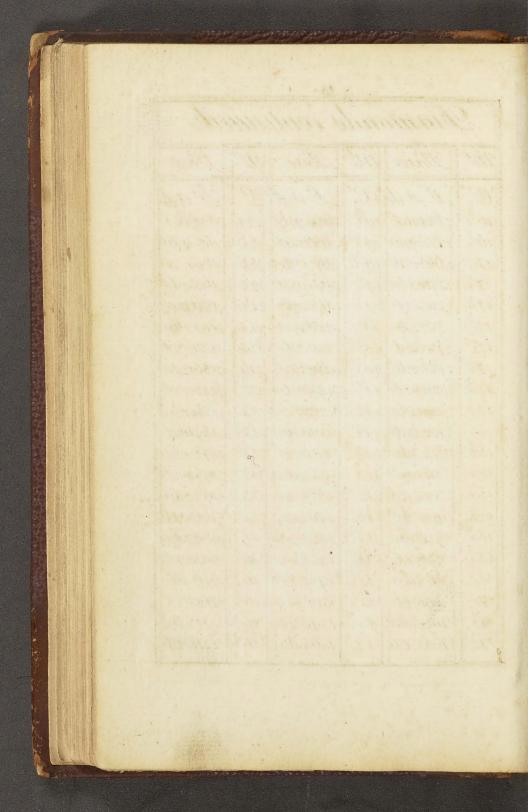
The Tables of.	Diamonds.
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	The Surtes of Dumwnus.					
W.t	Price	W.t	Price	W.t	Price	
Er	£1d	Er.	£sd	Er	£sd	
1	8:0:0	3 8	105:2:6	64	312:10:0	
18	10:2:6	3 3 4	112:10:0	63	325:2:6	
14	12:10:0	3 7 8	120:2:6	62	338:0:0	
18	15:2:6	4	128:0:0	68	351:2:6	
12	18:0:0	48	136:2:6	$6\frac{3}{4}$	364:10:0	
18	21:2:6	44	144:10:0	68	378:2:6	
13	24:10:0	48	153:2:6	7	392:0:0	
18	28:2:6	42	162:0:0	78	406:2:6	
2	32:0:0	48	171:2:6	74	420:10:0	
28	36:2:6	44	180:10:0	78	435:2:6	
24	40:10:0	48	190:2:6	72	450:0:0	
28	45:2:6	5	200:0:0	78	465:2:6	
2 1/2	50:0:0	58	210:2:6	73	480:10:0	
28	55:2:6	54	220:10:0	78	496:2:6	
2 4	60:10:0	58	231:2:6	8	512:0:0	
2 8	66:2:6	5 1/2	242:0:0	8 8	528:2:6	
3	72:0:0	5 8	253:2:6	84	544:10:0	
38	78:2:6	5 3 4	264:10:0	88	561:2:6	
34	84:10:0	5 8	276:2:6	82	578:0:0	
38	91:2:6	6	288:0:0	88	595:2:6	
3 1/2	98:0:0	68	300:2:6	8 3/4	612:10:0	



1		/
Diamonds	continued	0

	W.t	Price	W.t	Price	W.t	Price
	E.	£sd	C.	£sd	C.	£sd
	8 3	630:2:6	1/2	1058:0:0	148	1596:2:6
	9	648:0:0	118	1081:2:6	144	1624:10:0
-	98	666:2:6	114	1104:10:0	148	1653:2:6
	94	684:10:0	118	1128:2:6	142	1682:0:0
1	98	703:2:6	12	1152:0:0	148	1711:2:6
	92	722:0:0	128	1176:2:6	144	1740:10:0
	98	741:2:6	124	1200:10:0	148	1770:2:6
	93	760:10:0	128	1225:2:6	15	1800:0:0
1	98	780:2:6	122	1250:0:0	158	1830:2:6
-	10	800:0:0	128	1275:2:6	154	1860:10:0
1	108	820:2:6	124	1300:10:0	158	1891:2:6
1	104	840:10:0	128	1326:2:6	152	1922:0:0
1	108	861:2:6	13	1352:0:0	158	1953:2:6
ı	102	882:0:0	13 8	1378:2:6	153	1984:10:0
I	108	903:2:6	134	1404:10:0	158	2016:2:6
1	104	924:10:0	138	1431:2:6	16	2048:0:0
-	108	946;2:6	132	1458:0:0	168	2080:2:6
-	11	968:0:0	138	1485:2:6	164	2/12:10:0
	118	990:2:6	13 4	15/2:10:0	168	2145:2:6
-	114	1012:10:0	138	1540:2:6	16%	2178:0:0
1	118	1035:2:6	14	1568:0:0	168	2211:2:6
_						

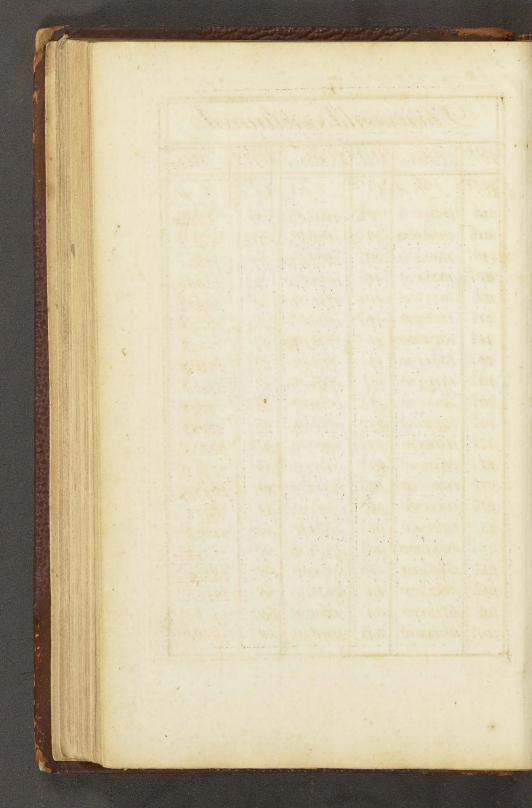


N.	,	4	1
Diamonds	1 cmi	timuod	1
_eumonic	win	viunu	/

W.t.	Price	W.t	Price	90.t	Price
E.	£sd	2	£sd	6. r	£sd
16 4	2244:10:0	198	3003:2:6	22	3872:0:0
168	2278:2:6	192	3042:0:0	228	3916:2:6
17	2312:0:0	198	3081:2:6	224	3960:10:0
178	2346:2:6	194	3120:10:0	$22\frac{3}{8}$	4005:2:6
174	2380:10:0	198	3160:2:6	222	4050:0:0
178	2415:2:6	20	3200:0:0	228	4095:2:6
172	2450:0:0	208	3240:2:6	$22\frac{3}{4}$	4140:10:0
178	2485:2:6	204	3280:10:0	228	4186:2:6
174	2520:10:0	208	3321:2:6	23	4232:0:0
178	2556:2:6	202	3362:0:0	23 8	4278:2:6
18	2592:0:0	208	3403:2:6	234	4324:10:0
188	2628:2:6	203	3444:10:0	$23\frac{3}{8}$	4371:2:6
184	2664:10:0	208	3486:2:6	23 2	4418:0:0
183	2701:2:6	21	3528:0:0	23 8	4465:2:6
182	2738:0:0	218	3570:2:6	$23\frac{3}{4}$	4512:10:0
188	2775:2:6	214	3612:10:0	23 8	4560:2:6
184	2812:10:0	2/8	3655:2:6	24	4608:0:0
188	2850:2:6	212	3698:0:0	248	4656:2:6
19	2888:0:0	218	3741:2:6	244	4704:10:0
198	2926:2:6	213	3784:10:0	248	4753:2:6
194	2964:10:0	218	3828:2:6	$24^{\frac{1}{2}}$	4802:0:0

Diamonds continued.

W.t	Price	W.t	Price	W.t	Price
6.r	£sd	6.r	£1	C.	£s
248	4851:2:6	292	6962:0	344	9660:10
244	4900:10:0	$29\frac{3}{4}$	7080:10	35	9800:0
248	4950:2:6	30	7200:0	354	9940:10
25	5000:0:0	304	7320:10	35 1	10082:0
254	5100:10:0	302	7442:0	$35\frac{3}{4}$	10224:10
252	5202:0:0	304	7564:10	36	10368:0
253	5304:10:0	31	7688:0	364	10512:10
26	5408:0:0	314	7812:10	362	10658:0
264	5512:10:0	312	7938:0	367	10804:10
262	5618:0:0	314	8064:10	37	10952:0
263	5724:10:0	32	8192:0	374	11100:10
27	5832:0:0	324	8320:10	372	11250:0
274	5940:10:0	322	8450:0	374	11400:10
272	6050:0:0	324	8580:10	38	11552:0
$27\frac{3}{4}$	6160:10:0	33	8712:0	384	11702:10
28	6272:0:0	334	8844:10	382	11858:0
284	63 84:10:0	33 1/2	8978:0	384	12012:10
282	6498:0:0	334	9112:10	39	12168:0
284	6612:10:0	34	9248:0	394	12324:10
29	6728:0:0	344	9384:10	39 1	12482:0
294	6844:10:0	342	9522:0	394	12640:10
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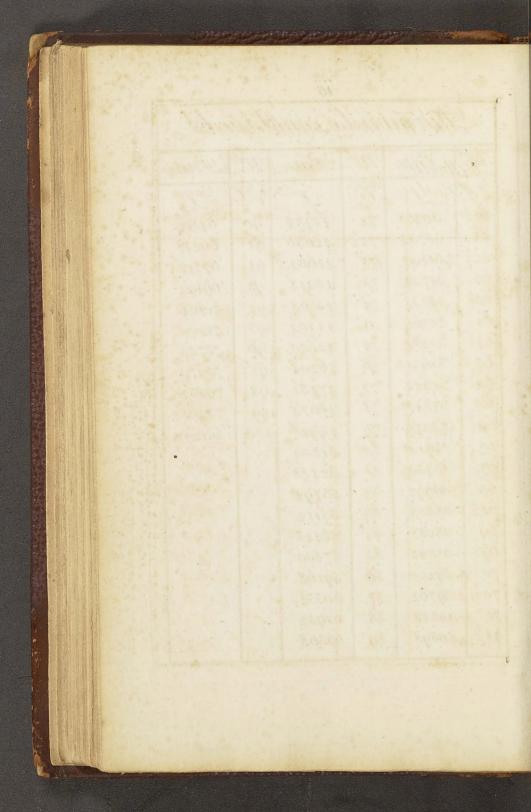


Diamonds continuedo

W.t	Price	W.t	Price	W.t	Price
6.r	£s	6.r	£s	C.	£
40	12800:0	454	16380:10	51	20808
404	12960:10	452	16562:0	512	21218
402	13122:0	454	16744:10	52	21632
404	13284:10	46	16928:0	52 2	22050
41	13448:0	464	17112:10	53	22472
414	13612:10	462	17298:0	532	22898
412	13778:0	464	17484:10	54	23328
414	13944:10	47	17672:0	542	23762
42	14112:0	474	17860:10	55	24200
424	14280:10	472	18050:0	552	24642
422	14450:0	474	18240:10	56	25088
424	14620:10	48	18432:0	562	25538
43	14792:0	484	18624:10	57	25992
434	14964:10	482	18818:0	572	26450
432	15138:0	484	19012:10	58	26912
434	15312:10	49	19208:0	582	21378
44	15488:0	494	19404:10	59	27848
444	15664:10	492	19602:0	592	28322
442	15842:0	494	19800:10	60	28800
444	16020:10	50	20000:0	602	29282
45	16200:0	502	20402:0	61	29768

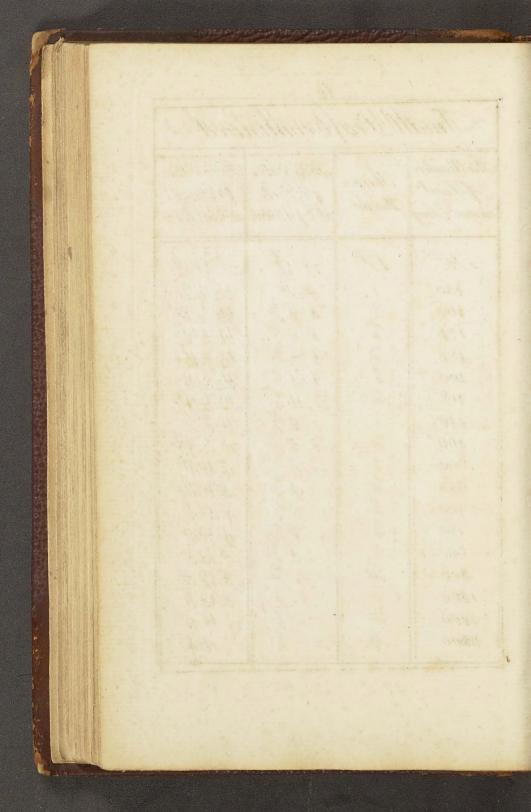
Diamonds continued

-		-		-	
n	rt Price	W.t	Price	W.t	Price
8	r £	Er	£	Er	£
612	30258	72	41472	90	64800
62	30752	722	42050	91	66248
62	31250	73	42632	92	67712
63	31752	732	43218	93	69192
63	32258	74	43808	94	70688
64	32768	742	44402	95	72200
642		75	45000	96	73728
65	33800	76	46208	97	75272
65		77	47432	98	76832
66	34848	78	48672	99	78408
66	35378	79	49928	100	80000
67	35912	80	51200		
672		81	52488		
68	36992	82	53792		
683	,	83	55112		
69		84	56448		
692		85	57800		
70	39200	86	59168		
702	7.1	87	60552	7	
71	40328	88	61952		
712	40898	89	63368		



The Tables of small Learl.

	The Number of Pearl in an Oz Troy	Their Weight	P. Piece	Their Value p. Ounce atthat Rate				
	· No	6.r	3 d	£sd				
	150	1.	2:0	15:0:0				
	160	1 15 16	$1:9\frac{3}{32}$	14:1:3				
	171	7 8	1:6 3	13:1:10 %				
	184	13/16	1:3 32	12:2:114				
	200	3/4	1:12	11:5:0				
	218	16	11 32	10:6:015				
	240	58	9 8	9:7:6				
	266	9/16	7 32	8:8:315				
	300	$\frac{1}{2}$	6	7:10:0				
	342	76	4 32	6:10:116				
	400	3 &	3 8	5:12:6				
-	480	5/6	2 32	4:13:9				
	600	4	1 1 2	3:15:0				
	800	3/16	2 <u>7</u> 32	2:16:3				
	1200	8	38	1:17:6				
	2400	16	$\frac{3}{32}$	18:9				
	4800:	32	128	9:42				
1			Samuel Control					

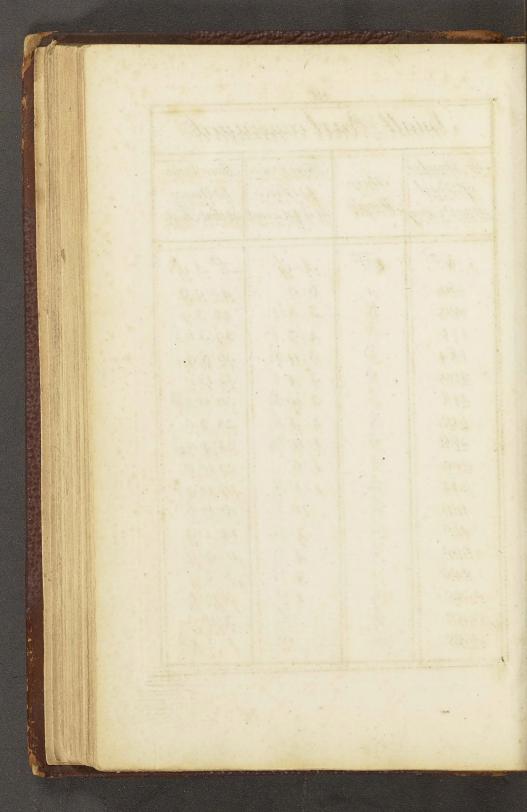


Small Pearl continued

/			
The Number of Pearl in an Oz Troy	Their Weight	Their Value P. Piece at 4 P. Carrat	P. Ounce
N.º	6.r	· s d	£sd
150	1 15 16	$4:0$ $3:6\frac{3}{16}$	30:0:0 28:2:6
171	7 8 13 16	$3:0\frac{3}{4}$ $2:7\frac{11}{16}$	26:3:8 ¹ 24:5:10 ¹ / ₂
200	3 4 11 16	2:3	$22:10:0$ $20:12:1\frac{7}{8}$
240	9	$1:6\frac{3}{4}$ $1:3\frac{3}{16}$	18:15:0 16:16:7 ⁷ 8
300	1/2 7/16	1:0	15:0:0
480	3 8 5 16	6 3 4 4 16	11:5:0
600	1 4 3 16	3	7:10:0
1200	1/8	3/4 3/16	3:15:0
4800	$\frac{1}{32}$	3 64	18:9

Small Learl continued

			-
The Number of Pearl in an 03 Troy	Their Weight	Their Value P.Piece at & p.Carrat	
150 160 171 184 200 218 240 266 300 342	6.7 15 16 78 13 16 34 11 16 58 916 12 716	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	£ $\int d$ 45:0:0 42:3:9 39:5:6 $\frac{3}{8}$ 36:8:9 $\frac{3}{4}$ 33:15:0 30:18:2 $\frac{13}{16}$ 28:2:6 25:4:11 $\frac{13}{16}$ 22:10 0
342 400 480 600 800 1200 2400 4800	16 3 8 5 16 14 3 16 1 8 16 1 3 2	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} 19:12:9^{\frac{1}{16}} \\ 16:17:6 \\ 14:1:3 \\ 11:5:0 \\ 8:8:9 \\ 5:12:6 \\ 2:16:3 \\ 1:8:1^{\frac{1}{2}} \end{array} $



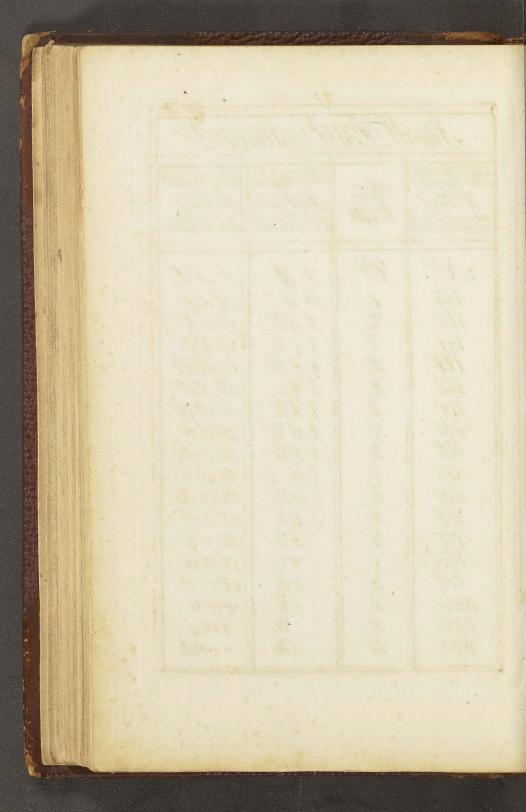
Small Pearl continued

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	of Pearl in an Oz Troy	Their Weight	~	Their Value P. Ounce at that Rate
	150 160 171 184 200 218 240 266 300 342 400 480 600 800 1200 2400	15/678 13/6 3/4 11/6 5/8 9/6 12 7/6 3/8 5/6 14 3/6 18 1/6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 60.0.0 \\ 56.5.0 \\ 52.7.4\frac{1}{2} \\ 48.11.9 \\ 45.0.0 \\ 41.4.3\frac{3}{4} \\ 37.10.0 \\ 33.13.3\frac{3}{4} \\ 30.0.0 \\ 26.3.8\frac{1}{4} \\ 22.10.0 \\ 18.15.0 \\ 15.0.0 \\ 11.5.0 \\ 7.10.0 \\ \end{array}$

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Small Learl continued

	,		
The Number of Pearl in an Oz Troy	Their Weight	P. Piece	Their Value 1. Ounce at that Rate
N.º	6.r	s d	£sd
150	1	10:0	75:0:0
160	15	$8:9\frac{13}{32}$	70:6:3
171	78	7:7 8	65:9:28
. 184	13/16	$6:7\frac{7}{32}$	60:14:84
200	3/4	5:7 2	56:5:0
218	16	$4:8^{\frac{23}{32}}$	51:10:416
240	5 8	3:10 8	46:17:6
266	9	$3:1\frac{31}{32}$	42:1:7 16
300	1/2	2:6	37:10:0
342	7/16	$1:10\frac{31}{32}$	32:14:7 16
400	38	1:48	28:2:6
480	5/16	$11\frac{23}{32}$	23:8:9
600	4	7 ½	18:15:0
800	3/6	4 32	14:1:3
1200	8	18	9:7:6
2400	16	15 32 15	4:13:9
4800	32	128	2:6:10½



Small Pearl continued

The Number of Pearl in an Oz Troy	Their Weight	Their Value P.Piece at 12 p.Carrat	P. Ounce
N.º	6.r	s d	£sd
150 160 171 184 200 218 240 266 300 342 400	1 5/0 78 3/0 3/4 4/0 5/8 9/0 1/2 2/0 3/8 5	$ \begin{array}{c} 12:0 \\ 10:6 \frac{9}{16} \\ 9:2 \frac{1}{4} \\ 7:11 \frac{1}{16} \\ 6:9 \\ 5:8 \frac{1}{16} \\ 4:8 \frac{1}{4} \\ 3:9 \frac{9}{16} \\ 3:0 \\ 2:3 \frac{9}{16} \\ 1:8 \frac{1}{4} \end{array} $	$90:0:0$ $84:7:6$ $78:11:0\frac{3}{4}$ $72:17:7\frac{7}{2}$ $67:10:0$ $61:16:5\frac{5}{8}$ $56:5:0$ $50:9:11\frac{5}{8}$ $45:0:0$ $39:5:6\frac{3}{8}$ $33:15:0$
480 600 800 1200 2400 4800	5/0 -14 3/0 -18 -10 -132	1:2 16 9 5 16 2 1 9 10 9 10 10 10 10 10 10 10 10 10 10 10 10 10	28: 2:6 22:10:0 16:17:6 11: 5:0 5:12:6 2:16:3

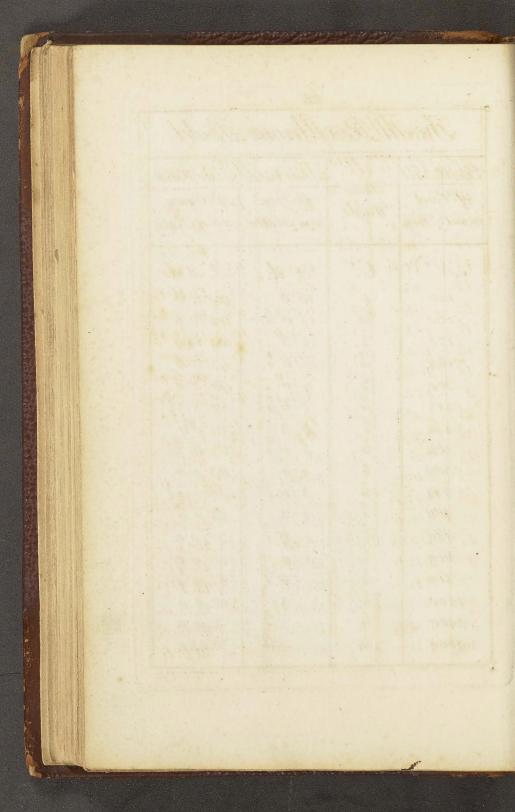
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Small Pearl continued

The Number of Pearl in an Oz. Troy	Their Weight	p. Piece	Their Value p. Ounce at that Rate
150 160 171 184 200 218 240 266 300 342 400 480 600 800	C. 150 78 316 314 116 518 916 12 716 38 616 14 316 78	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	f f d 105:0:0 98:8:9 91:12:10 $\frac{7}{8}$ 85:0:6 $\frac{3}{4}$ 78:15:0 72:2:6 $\frac{9}{10}$ 65:12:6 58:18:3 $\frac{9}{10}$ 52:10:0 45:16:5 $\frac{1}{10}$ 32:16:3 26:5:0 19:13:9 13:2:6
2400	16 132	21 32 21 128	6:11:3 3:5:7½

Small Pearl continued

The Number of Pearl in an Oz. Troy	Their Weight	1	Their Value P. Ounce at that Rate
N.º	6.r	s d	£sd
150	1	16:0	120:0:0
160	15 16	14:0 3	112:10:0
171	78	12:3	104:14:9
184	1 <u>3</u>	10:6 3	97:3:6
200	3 4	9:0	90:0:0
218	11/16	$7:6\frac{3}{4}$	82:8:72
240	58	6:3	75:0:0
266	9 16 ·	5:03/4	67:6:72
300	1.2	4:0	60:0:0
342	7/6	3:03	52:7:42
400	38	2:3	45:0:0
480	5/16	$1:6\frac{3}{4}$	37:10:0
600	4	1:0	30:0:0
800	3 16	$6\frac{3}{4}$	22:10:0
1200	8	3	15:0:0
2400	16	$\frac{3}{4}$	7:10:0
4800	32	3/16	3:15:0



25							
The Tables of large Pearl.							
W!t	Price	W!t	Price	W!t	Price		
Cr	£sd	C^r	£sd	Cr	£sd		
1	8:0	38	5: 5:12	64	15:12:6		
18	10:12	3 4	5:12:6	$6\frac{3}{8}$	16: 5:12		
17	12:6	3 7/8	6:0:12	$6\frac{1}{2}$	16:18:0		
18	15:12	4	6:8:0	68	17:11:12		
12	18:0	48	6:16:12	63	18:4:6	-	
18	1: 1:12	44	7:4:6	68	$18:18:1\frac{1}{2}$		
13/4	1: 4:6	48	7:13:12	7	19:12:0		
18	1: 8:12	42	8:2:0	78	20:6:12		
2	1:12:0	48	8:11:12	74	21:0:6		
28	1:16:12	43	9:0:6	78	21:15:12		
24	2: 0:6	43	9:10:12	72	22:10:0		
$2\frac{3}{8}$	2:5:12	5	10:0:0	75	23:5:12		
21/2	2:10:0	58	10:10:12	74	24:0:6		
25	2:15:12	54	11:0:6	78	24:16:12		
23/4	3:0:6	53	11:11:12	8	25:12:0		
$2\frac{7}{8}$	3: 6:12	5%	12: 2:0	8 1/8	26: 8:12		
3	3:12:0	5 8	12:13:12	84	27: 4:6		
3 1/8	3:18:12	$5\frac{3}{4}$	13:4:6	83/8	28: 1: 12		

58

 $\frac{6}{6\frac{1}{8}}$

13:16:12

14:8:0

15:0:12

8¹/₂ 8⁵/₈ 8³/₄

28:18:0

 $29:15:1\frac{1}{2}$

30:12:6

3 \frac{7}{4} \\ 3 \frac{8}{8} \\ 3 \frac{7}{2}

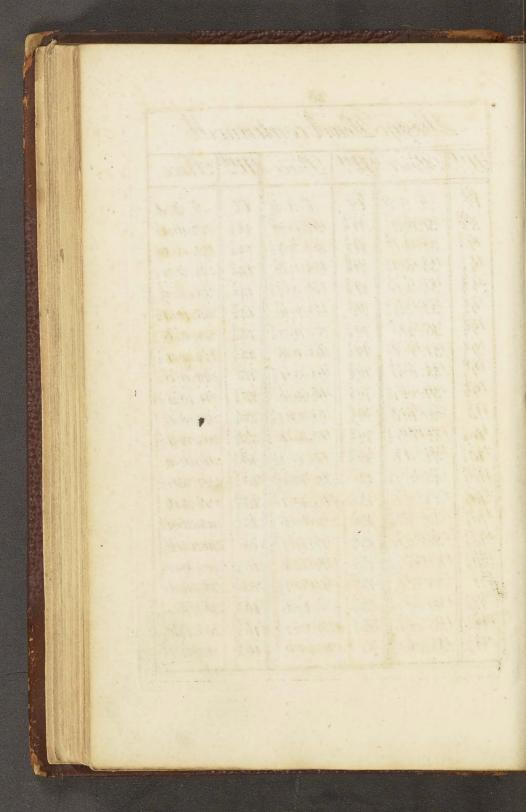
4:4:6

4:11:12

4: 18:0

Large Learl continued.

W.t	Price	W.t	Price	M!t	Price	
C.	£1d	C.r	£sd	C.r	£sd	
8 7	31:10:12	112	52:18:0	148	79:16:12	
9.	32:8:0	118	54: 1:12	144	81: 4:6	
98	33:6:12	$11\frac{3}{4}$	55:4:6	$14\frac{3}{8}$	82:13:12	
.94	34:4:6	1/8	56:8:12	142	84: 2:0	
93/8	35: 3:12	12	57:12:0	148	85:11:12	
92	36: 2:0	12 1/8	58:16:12	144	87:0:6	
95	37: 1: 12	12 4	60:0:6	148	88:10:12	
$9\frac{3}{4}$	38:0:6	$12\frac{3}{8}$	61:5:12	15	90:0:0	
97/8	39: 0: 12	12 1/2	62:10:0	15%	91:10:12	
10	40:0:0	12 8	63:15:12	154	93:0:6	
10 %	41: 0:12	$12\frac{3}{4}$	65:0:6	153	94:11:12	
104	42:0:6	$12\frac{7}{8}$	66:6:12	15 1/2	96:2:0	
103	43: 1: 12	13	67:12:0	15 \$	97:13:12	
10 1/2	44:2:0	13 %	68:18:12	153	99:4:6	
10 8	45:3:12	134	70:4:6	15 %	100:16:12	
$10\frac{3}{4}$	46:4:6	13 8	71:11:12	16	102: 8:0	
108	47: 6:12	13 2	72:18:0	16%	104:0:12	
11	48:8:0	13 5	74: 5:12	164	105:12:6	
118	49:10:12	$13\frac{3}{4}$	75:12:6	168	107:5:12	
114	50:12:6	13 7/8	77: 0: 12	162	108:18:0	
$1/\frac{3}{8}$	51:15:12	14	78: 8:0	16 8	110:11:12	
1						



Large Pearl continued.

W!t	Price	W.t	Price	W.t	Price		
6.º	£. s.d.	6.r	£. s. d.	E.	£. s. d.		
163	112:4:6	19 3	150:3:12	22	193:12:0		
163	113:18:12	192	152:2:0	22 %	195:16:12		
17	115:12:0	198	154:1:12	224	198:0:6		
178	117:6:12	194	156:0:6	228	200:5:12		
174	119:0:6	198	158:0:12	222	202:10:0		
178	120:15:12	20	160:0:0	228	204:15:12		
17 2	122:10:0	$20\frac{1}{8}$	162:0:12	$22\frac{3}{4}$	207:0:6		
17 8	124: 5:12	204	164:0:6	228	209:6:12		
173	126:0:6	208	166: 1:12	23	211: 12:0		
178	127:16:12	$20\frac{1}{2}$	168:2:0	23 %	213:18:12		
18	129:12:0	208	170:3:12	234	216:4:6		
188	131: 8:12	$20\frac{3}{4}$	172:4:6	238	218:11:12		
184	133:4:6	20 \$	174:6:12	232	220:18:0		
183	135:1:12	21	176:8:0	23 8	223:5:12		
182	136:18:0	218	178:10:12	$23\frac{3}{4}$	225:12:6		
18 8	138:15:12	2/4	180:12:6	238	228:0:12		
184	140:12:6	$21\frac{3}{8}$	182:15:12	24	230: 8:0		
18 %	142:10:12	2/2	184:18:0	248	232:16:12		
19	144: 8:0	218	187:1:12	244	235:4:6		
198	146:6:12	$21\frac{3}{4}$	189:4:6	$24\frac{3}{8}$	237:13:12		
194	148:4:6	$27\frac{7}{8}$	191:8:12	242	240: 2:0		
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Large Fearl continued.

	0	-	,		
W.t	Price	W.t	Price	W.t	Price
C.	£.s.d.	C."	£. s. d.	C.	£.J.d.
248	242:11:12	29 2	348: 2:0	$34\frac{3}{4}$	483:0:6
$24\frac{3}{4}$	245:0:6	$29\frac{3}{4}$	354:0:6	35	490:0:0
$24\frac{7}{8}$	247:10:12	30	360:0:0	35 4	497:0:6
25	250:0:0	304	366:0:6	352	504:2:0
254	255:0:6	30%	372:2:0	$35\frac{3}{4}$	511:4:6
25 ½	260:2:0	$30\frac{3}{4}$	378:4:6	36	518:8:0
$25\frac{3}{4}$	265:4:6	31	384:8:0	364	525: 2:6
26	270:8:0	3/4	390:12:6	362	532:18:0
264	275:12:6	$31\frac{1}{2}$	396:18:0	$36\frac{3}{4}$	540:4:6
26%	280:18:0	3/4	403:4:6	37	547:12:0
$26\frac{3}{4}$	286:4:6	32	409:12:0	374	555:0:6
27	291:12:0	324	416:0:6	372	562:10:0
274	297:0:6	322	422:10:0	$37\frac{3}{4}$	570:0:6
272	302:10:0	$32\frac{3}{4}$	429:0:6	38	577:12:0
$27\frac{3}{4}$	308:0:6	33	435:12:0	384	585:4:6
28	313:12:0	334	442:4:6	382	592:18:0
284	319:4:6	332	448:18:0	$38\frac{3}{4}$	600:12:6
282	324:18:0	334	455:12:6	39	608: 8:0
$28\frac{3}{4}$	330:12:6	34	462:8:0	394	616: 4:6
29	336:8:0	344	469:4:6	392	624:2:0
294	342:4:6	342	476:2:0	$39\frac{3}{4}$	632:0:6
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W.t	Price	W.t	Price	M.t	Price		
E.	£sd	Cr.	£1d	C.	£J		
40	640:0:0	454	819:0:6	51	1040:8		
404	648:0:6	452	828:2:0	51 2	1060:18		
402	656:2:0	$45\frac{3}{4}$	837:4:6	52	1081:12		
404	664:4:6	46	846:8:0	522	1102:10		
41	672:8:0	464	855:12:6	53	1123:12		
414	68012:6	462	864:18:0	53 ½	1144:18		
412	688:18:0	463	874:4:6	54	1166:8		
414	697:4:6	47	883:12:0	542	1188:2		
42	705:12:0	474	893:0:6	55	1210:0		
42 4	714:0:6	472	902:10:0	552	1232:2		
42 2	722:10:0	474	912:0:6	56	1254:8		
42 4	731:0:6	48	921:12:0	562	1276:18		
43	739:12:0	484	931:4:6	57	1299:12		
434	748:4:6	482	940180	572	1322:10		
43 ½	756:18:0	484	950:12:6	58	1345:12		
43 4	765.12.6	49	960:8:0	582	1368:18		
44	774:8:0	494	970:4:6	59	1392:8		
444	783:4:6	492	980:2:0	592	1416:2		
442	792:2:0	494	990:0:6	60	1440:0		
44 4	801:0:6	50	1000:0:0	602	1464:2		
45	810:0:0	$50\frac{1}{2}$	1020:2:0	61	1488:8		

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	W.t	Price	W!t	Price	W.t	Price
	Cr. 612	£s	C.r	£j	Cr.	£s
	62	1512:18 1537:12	$\begin{array}{c c} 72 \\ 72\frac{1}{2} \end{array}$	2073:12	90	3240:0
	622	1562:10	73	2131:12	92	3385:12
	63	1587:12	732	2160:18	93	3459:12
	632	1612:18	74	2190:8	94	3534 : 8
-	64	1638:8	742	2220:2	95	3610:0
1	642	1664:2	75	2250:0	96	3686:8
1	65	1690:0	76	2310:8	97	3763:12
1	652	1716:2	.77	2371:12	98	3841:12
	66	1742 : 8	78	2433:12	99	3920:8
-	662	1768:18	79	2496:8	100	4000:0
1	67	1795:12	80	2560:0		
	672	1822:10	81	2624:8		
	68	1849:12	82	2689:12		
	682	1876:18	83	2755:12		
	69	1904:8	84	2822:8		
	692	1932:2	85	2890:0		
	70	1960:0	86	2958:8		Y2
1	702	1988:2	87	3027:12		
	71	2016:8	88	3097:12		
L	712	2044:18	89	3168:8		,

